

Mathematics and Computer Science SIPs

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TITLE

WHERE/ADVISOR

1998-99 (see bottom of document for latest years)

Atkins, Jason	Computer Security and Incident Response A Case Study — NASIRC	NASA Automated Systems Incident Response Capability Allied Technology Group, Inc., T. Baxter et al, Lanham, MD; Kalamazoo College, Dr. Alyce Brady
Brodhagan, Kenn	HAPI: The Design and Implementation of a Universal Software Messaging System for the Mortgage Industry	Kalamazoo College, Dr. Alyce Brady
Eenigenburg, Jon Paul	Inverting Linear Transformations As Best We Can: The Pseudoinverse of a Matrix	Kalamazoo College, Steve Mackey
Lindauer, Brian	An Exploration of Network Programming Through the JAVA Language	Kalamazoo College, Dr. Alyce Brady
Marker, Joshua	Object Oriented Database Technology	Health Media Research Lab, Medical Research Facility, U of M, Potts, Nowak, Decker, & Saunders; Kalamazoo College, Dr. Alyce Brady
Paquette, Jesse	Gabori Attack: A New Method for Testing Human Contrast Sensitivity	School of Optometry, Visual Neuroscience Laboratory, UofC-Berkeley, R.D Freeman; Kalamazoo College, Dr. Alyce Brady
Seidl, Andrew	An Interim Network Design for Small Organizations	Kalamazoo College, Dr. Alyce Brady
Seaton, Christopher	The Conjugacy Classes of $SL_2(\mathbb{R})$	Kalamazoo College, Dr. John Fink
Treadwell, Scotty	The Online Workorder: A JAVA Development Application	Nucleus Communications, P. Stommen; Kalamazoo College, Dr. Alyce Brady

1997-98

Deer, David	Digital Image File Compression: Creating a Hybrid Image Format	Canon Research Center, Palo Alto, CA, S. Ng & D. Elrod, Kalamazoo College, Dr. Alyce Brady
Edds, Jonathan	Representation Theory, Character Theory, and Applications with some Familiar Groups	Kalamazoo College, Dr. John Fink
Gu, Yu	Physics Based CAVE Virtual Reality	Argonne National Laboratory, T. Disz and M. Papka, Kalamazoo College, Dr. Alyce Brady
Haffey, Katherine	The Year 2000 Problem in Information	Valassis Communications,

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	systems Industry: A Focus on What Can Be Done and the Effects in Public, Private, and Individual Sectors	Inc., John Robinson, Kalamazoo College, Dr. Alyce Brady
Kurc, Shirley	Hillslope Runoff Through Grids of Patchy Vegetation: Predictions Using Modified Percolation Theory	Los Alamos National Laboratory, New Mexico, D. Breshears Kalamazoo College, Dr. John Fink
Pike, Timothy	Development of the Alexander Polynomial for Single Component Knots via Seifert Surfaces	Kalamazoo College, Kenneth Mulder
Secrist, Kyle	Intranets as a New Corporate Tool: An Examination of New Technology Changing Corporate Culture	Valassis Communications, Inc., Livonia, MI J. Robinson, Kalamazoo College, Dr. Alyce Brady
Sobeck, Philip	Windows NT and the TCP/IP Networking Protocol	Kalamazoo College, Dr. Alyce Brady

1996-97

Brown, Jeremy	The Continually Evolving Hypertext Transfer Protocol	Utopia, Inc., Kalamazoo College Dr. Richard Carpenter
Carra, Andrew	Extension of the MPEG Video Compression Standard to Accommodate Stereo Video Streams	Canon Research America David Elrod, Kalamazoo College Dr. Richard Carpenter
Evans, Colin	An Overview of Optical Character Recognition Processes at Canon Research America	Kalamazoo College Dr. Richard Carpenter Canon Research America Hamadi Jamali
Halbower, Ryan	Developing a Computerized Tool that Ensures Patient Follow-Up of Health Maintenance Issues Utilizing Michigan State University-Kalamazoo Center for Medical Studies' IDX Data Base	MSU-KCMS Kathy Church, Kalamazoo College Richard Carpenter
Hudgins, Amy	Airflow Behavior in Neumann's Boundary Problem: Analytical and Numerical Solutions	Carnegie Mellon University Dr. Jack Schaeffer Kalamazoo College Dr. Stan Rajnak
Kemeny Jr., Charles	The Career Development Internship Search	Kalamazoo College Dr. Richard Carpenter
Lacina, Lorelei	Screening for Prenatal Substance Abuse in the Northern Plains American Indian Population Using a Self-Administered Questionnaire	Indian Health Service, Rapid City, SD; Dr. T. Welty, Med. Epidem.; Centers for Disease Control, Rapids City, SD Kvigne Valborg, FAS Coord.; Kalamazoo College, Dr. Sally

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		Olexia, Dr. David VanDyk, Dr. George Nielsen
Malenfant, Aaron	Client/ Server Technology	Hewlett Packard, Kalamazoo College Dr. Richard Carpenter
Strecker, Stephen	Software Engineering and the Processes Involved: A Case Study on ACI Development and their Techniques of Software Testing	ACI Development, Susanna Roberts, Kalamazoo College, Richard Carpenter
Smith, Timothy L.	Cyber Job: Doing Business on the World Wide Web in Paris, France	De'courvertes Co., Kalamazoo College Kathleen Smith, Romance Languages
Weinrick, Patricia	Ford Motor Company: Ford Systems Integration Center	Ford Motor Co., Jeffrey L'Huillier, Kalamazoo College, Richard Carpenter

1995-1996

Cartwright, Christopher	An Introduction to Nonstandard Analysis	Kalamazoo College Dr. William Calhoun
Dilno, David L. II	Webservers	INET Co. Kalamazoo College Dr. Richard Carpenter
Fix, Chad	Insolvability of the Quintic via Galois Theory and Abel's Method	Kalamazoo College Dr. George Nielsen
Hankey, Russ	A Computer Science Internship in the Automotive Industry, Mainframe Automation Documentation and Paging Software Research	Ford Motors Mr. Robert Padget
Hernandez, Consuelo	On the Green's Function Method for Solving Differential Equations	Kalamazoo College Dr. Stanley Rajnak
Killian, Michael	Mathematics as a Liberal Art: One Foundation for Writing Well	Kalamazoo College Dr. John Fink/Dr. George Nielsen

1994-1995

Ashbury, Jill E.	A Hypertext System for Maintaining Synchronized Object-Oriented Services	Kalamazoo College Dr. Alyce-Brady
Wold, Jason	Object Oriented Approaches to the Generation of Process Control Applications	Johnson Co. Kalamazoo College Dr. Richard Carpenter

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1993-94

Baker, Kirby	Massively Parallel Processor Machines: The Present and Future of Supercomputing	Kalamazoo College Dr. Richard Carpenter
Bobier, Jason	Surfing the Internet	INET Co. Kalamazoo College Dr. Richard Carpenter
Burdick, Andrew	The Dynamics of Magnetic Flux Lines In Type-II High Temperature Superconductors	Argonne National Laboratory Dr Gary Leaf Mr. David Levine Kalamazoo College Dr. Lisa Holden
Ferris, Andrew	Cubic Spline Analysis	Kalamazoo College Dr. George Nielsen
Jack, Jeremy C.	An Analytic View of the Usage of a Computer Medium Inside the World of Theatre With an Eye Towards the Civic Arena	Kalamazoo Civics Theatre Mr. John McCantz Kalamazoo College Dr. Larry Jaquith Dr. Richard Carpenter
Larsen, Bradley and Segal, Michael	The Software Engineering Process From the Software Testing Viewpoint	INET Co. Kalamazoo College Richard Carpenter
Marlette, Steven	Project Management and Database Development	Pharmacia & Upjohn, Kalamazoo College Dr. Richard Carpenter
Murray, Regan	Water Infiltration in Unsaturated Soils	Kalamazoo College Dr. Lisa Holden
Ropp, Matthew	The Basics of Electronic Japanese Information Processing	Kalamazoo College Dr. Richard Carpenter
Seabold, Danielle J	Semiconductor Laser Arrays, Phase-locked Solutions and their Stability	Kalamazoo College Dr. Lisa J. Holden Dr. Jan Tobochnik

1992-93

Galow, Jonathan	Complex Behavior in a Nerve Conduction Model	Kalamazoo College Dr. Lisa Holden
Osstyn, Alicia A.	Statistical Analysis Of Michigan High Schools: Focusing on Reasons Why Students Choose Not to Pursue Higher Education	Kalamazoo College Dr. Hannah McKinney Dr. George Nielsen

1991-92

Barnum, Mark	Object-Oriented Programming: Basic Concepts	INET Co. Kalamazoo College Dr. Richard Carpenter
Mancewicz, Martha J	Developable Surfaces: Properties,	General Motors Research Labs

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	Representations, and Methods of Design	Dr. Gary McDonald Kalamazoo College Dr. Nielsen
Mulder, Kenneth	The Group of Recursive Automorphisms of the Universal Random Graph	Michigan State University Dr. John Hall
Oelslager, Barbara A.	Gastrointestinal Permeability of Model Solutes and Halofuginone in the 7-14 Day Old Chicken	The Upjohn Company Dr. Norman F. H. Ho Dr. David P. Thompson
Riddell, Kevin	Input Output Economics Studies of Leontier's Mathematical/ Economic Models	Kalamazoo College Dr. George Nielsen
Witkowski, Brian	Combinatorial Optimization: The Traveling Salesman Problem	Kalamazoo College Dr. Nielsen

1990-91

Duncan, Christina L.	Joint Capacity Planning at Royal Maccabees	Royal Maccabees Life Ins. Co., Kalamazoo College Dr. Richard Carpenter
Gilbertson, Gustav J.	Implementation of a Prototype Teratology Data Management System Using SAS	Upjohn Pharmaceuticals, Tokyo, Japan, Mr. Ika Kawachi, Kalamazoo College, Dr. Richard Carpenter
Hedlich, Kirk	Software Project Design: A Common Sense Approach to Software Development.	Team Technologies, Inc., Kalamazoo College Dr. Richard Carpenter
Hill, Tobin A.	The Effect of Spherical Earth Model On a Scenario Generator	Naval Research Laboratories
Magas, Louis T.	Mechanisms of Microenvironmental Ph Regulation of the Cuticle and Implications for Transcuticular Transport in <u>Ascaris Suum</u>	The Upjohn Company Dr. Norman F. H. Ho Dr. David P. Thompson
McCarthy, James R.	The Making of Capek, At Interactive C Tutorial	Kalamazoo College Dr. Richard Carpenter
Sommer, Emily	An Exploration of Women's Attitudes and Experiences with Mathematics	
Westphal, Thomas W	An Attempt to Meet the Needs of Real-Time Statistical Process Control	Kalamazoo College Dr. George Nielsen

1989-90

Artasanchez, Alberto	Theorem Proving Algorithm	Kalamazoo College Dr. Richard Carpenter
Burrous, Carrie E.	Women and Mathematics: A Working Voice?	Kalamazoo College Dr. Gail Griffin
Buss, Daniel L.	A Program to Supervise Upjohn's Chemistry Labs	Pharmacia & Upjohn, Kalamazoo College

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		Dr. Richard Carpenter
Christ, Oliver R.	Development of a Graphical User Interface on an X Window Platform for Hotel Software	Wixdorf Co., Berlin, GER, Kalamazoo College Richard Carpenter
Dyksterhouse, Marc	Graphics-Based Operating Systems: The New Alternative to Traditional Operating Systems and Top-Down Programming.	INET Co. Kalamazoo College Dr. Richard Carpenter
Penix, Donald L.	Selected Studies on Various Drug Screening Methodologies at The Upjohn Company	Pharmacia & Upjohn, Mic Lajiness, Mark Johnson, Kalamazoo College Dr. Richard Carpenter

1988-89

Ball, Richard A.	Conference Room Automation Project at Chemical Abstracts Service	Chemical Abstracts, Columbus, OH Mark Donley
Bittner, Amy	Design Rule Check of Electronic Circuit Designs as Done on the Alice System	Anritsu Corporation, Tokyo Mr. Takanori Sumi Kalamazoo College Dr. Richard Carpenter
Louca, Soulla	A Study of the UNIX Shell and a Lexical Analyzer for the Programming Languages Pascal and Plus	University of Michigan Kalamazoo College Dr. Dick Carpenter

1987-88

Ahmed, Altaf	Analysis and Documentation of the Management Information System Used By the Executive Residence of the University of Michigan Business School	Computing Services Mr. Michael Osment University of Michigan
Arthur, Kenneth	Logic and Some Applications to Computer Science	Kalamazoo College Dr. Richard Carpenter
Beukema, Sarah	Some Interactions Between North Sea Fish According to a Computer Model	U of Mass. @ Amherst Dr. John Finn
Granger, Gloria	Internship on the Caltech-JPL Concurrent Computation Project	Jet Propulsion Laboratory Ms. Kay Cloud Kalamazoo College Dr. S Rajnak
Kaugars, Karlis J.	The Graphic Information System as an Entomologic Tool	Kalamazoo College Dr. Richard Carpenter

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Kausch, David	Unique Factorization Domains and Generalizations	Kalamazoo College Dr. Fink
Langbo, Robert	Data Model and Structure Descriptions and the Finance System	Kalamazoo College Dr. T. J. Smith
Penix, James S.	Development of the Conference Center Scheduling Software at the Kellogg Biological Station	Kellogg Biological Station/MSU John B. Gorentz Kalamazoo College Richard Carpenter
Rosa, Charles H.	Mathematical Statistics as used in the Construction of Statistical Models at Upjohn	Kalamazoo College Dr. S. Rajnak
Ruimveld, Stephen P	The Investigation of a Nonlinear, Ordinary Differential Equation System	Kalamazoo College Dr. S. Rajnak
Sullivan, Bridget	Computer Security on a VAX System	Kalamazoo College Dr. Richard Piccard

1986-87

Baldrice, Kelly	Selected Projects at GFV Communications and a Discussion of their Vaxcluster	GFV Communications Amy Courter Kalamazoo College Thomas Smith
Camp, Tracy Kay	The Computerization of a Small Business	Kalamazoo College Dr. T. J. Smith
Chesky, William	An Internship at the Texas Instruments Austin Information Center	Kalamazoo College Dr. T. J. Smith
Cleveland, Mary H.	Cobol Scrolling Techniques Using Vax Forms Management System	Kalamazoo College Dr. T. J. Smith
Crandall, Keith	The Modeled Effects of Gametophytic Self-Incompatibility and Localized Gene Dispersal on Population Substructure	Kellogg Biological Station Dr. Stephen Tonsor Kalamazoo College Dr. Jan Tobochnik
Croyle, James L.	Software Design and Implementation of a Unix Based Graphics System	US Windpower Allan Chertok William Holley Kalamazoo College Dr. S. Rajnak
Dietz, Kenneth M.	20/20 Reports at Valassis Communications	Kalamazoo College Dr. John Fink
Hall, Scott	Two Aspects of Computer Programming	Kalamazoo College Dr. T. J. Smith
Huston, James	The Computerization of Huston Produce, Inc.	Kalamazoo College Dr. T. J. Smith
Koch, Jeffrey	Numerical Investigation of a Nonlinear, Ordinary Differential Equation System	Kalamazoo College Dr. S. Rajnak
Nagy, Ecaterina	A Study of Goldbach's Conjecture	Kalamazoo College

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	That Every Even Number Greater Than 4 Can Be Expressed as the Sum of Two Odd Primes	Dr. Jean Calloway
Pribac, Jan Nicholas	A Study of the "SAS" Programming Language System Through an Internship at the Upjohn Company	Kalamazoo College Dr. T. J. Smith
Provost, Tobi Doe Anne	The 1X/370 Demonstration Package	Kalamazoo College Dr. Rajnak
Surakomol, Koset	A Filter To Integrate the Format of Tables into the Interleaf Publication System at Data Resource.	Kalamazoo College Dr. T. J. Smith
Weltevreden, Ann	Analysis of Sales Territories at the Upjohn Company	The Upjohn Company William Dodge Kalamazoo College Dr. S. Rajnak
Whaley, Gerald T.	A Working SIP at The Upjohn Company	Kalamazoo College Dr. T. J. Smith

1985-86

Andresen, Kevin W.	Automation and Database Implication of a Quadrupole Mass Spectrometer	Optical Recording Project/3M Mr. James C. Ellis Mr. Steven C. Webster Kalamazoo College Dr. Richard Carpenter
Doty, Belinda Beth	Mathematics through the Museum: An Effective Means for Teaching Math	Kalamazoo College Dr. Nora Evers Dr. S. Rajnak
Klein, Karen	The 1984 Analysis and Evaluation of the Fuel Consumption Along the Southeast Main Line and Tie Line	ANR Pipeline Company Carole Stieler Kalamazoo College Dr. S. Rajnak
Lewis, Gregory J.	A Working SIP Kellogg Biological Research Station	Kalamazoo College Dr. Richard Carpenter
Penix, Michael	Plot-10 Graphics Package	Kalamazoo College Dr. S Rajnak
Talayco, Daniel E.	Information, Communication and Contemplation in the Netherlands	Dr. Gerrit Visser

1984-85

Johnson, Angela	An Analysis of the Computer Industry as Part of the China's Commitment to Modernize	Kalamazoo College Dr. Richard Carpenter
Kuver, Ranuja	Minimizing Flow-Time Variance on a Single Machine	
Piehl, Forrest	A Working SIP at Pontiac Motor Division	Kalamazoo College Dr. Richard Carpenter
Piehl, Robin Herrick	A Winter Study in Snobol	Kalamazoo College

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		Richard Carpenter
Ryan, Robert	Work Experience at GMI Engineering and Management Institute	Kalamazoo College Dr. Richard Carpenter
Stibal, Christine	The International Marketing Promotion Allocation Workshop at the Upjohn Company	The Upjohn Company Dr. David Magerlein Kalamazoo College Dr. S. Rajnak
Thall, Andrew	An Application of Differential Geometry To the Study of Several Simple Surfaces	Kalamazoo College Dr. S. Rajnak
Wofsy, Eva	Geometry on the Surface of the Sphere	Kalamazoo College Dr. S. Rajnak

1983-84

Harmelink, Paul	SIP Presentation: Problems in Making Graphic Primitives	Kalamazoo College Dr. Stanley Rajnak
Haug, Mary	Communication Links to Supercomputers: Automating the Distribution of Output	Argonne National Laboratory Mr. Robert J. McMahon Kalamazoo College Dr. T. Jefferson Smith
Krueger, John	Exploring the Pascal Pyramid: A Study of Some of the Properties in a 3-D Ordering of the Trinomial Coefficients	Kalamazoo College Dr. Jean Calloway Dr. John Fink
Lewis, Rankin	Computer Operations in the Business Environment	Kalamazoo College Dr. Richard Carpenter
Rizzo, Mark R.	SIP Job Report: Internship at the Upjohn Company	The Upjohn Company Dr. J. M. Magerlein Kalamazoo College Dr. Richard Carpenter
Young, Eric	Non-Linear Resonant Systems: Bifurcation and Chaos Development of a Fast Fourier Transform Driver	Kalamazoo College Dr. Richard Piccard Dr. Stanley Rajnak

1982-83

Bjornson, Robert D.	OPA An Othello-Playing Algorithm	Kalamazoo College Dr. Richard Carpenter
Burrows, Howard	Instructional Media Service's Inventory Management System	Kalamazoo College Dr. Richard Carpenter
Farthing, Thomas W.	A Study of Three Outstanding Problems in Networks	Kalamazoo College Dr. John Fink
Hamilton, Jeff	Inventory at General Motors Assembly Division and AIMS, the Automated Inventory Management System	Kalamazoo College Dr. John Fink
Haug, Martha	Two Interactive Programs Providing Basic Tools for Cash Flow Analysis and Depreciation Calculation	Kalamazoo College Dr. Petros Gheresus Dr. Richard Carpenter
Kienle, Steven	MATCOMP: A Program to Interact	Kalamazoo College

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	with Two Linear Algebra Packages	Dr. Richard Carpenter
VanderWeele, Mary	Data Base Management Systems	
Wood, David P.	A Systematic Approach to Functional Software Verification	Kalamazoo College Dr. Richard Carpenter

1981-82

Deck, Micheal	Cobol Re-Engineering: A Preliminary Design Specification	IBM Corporation Mr. R. C. Linger Kalamazoo College Dr. Richard Carpenter
Entenman, Mark	An Evaluation of Nine Forecasting Techniques	Kalamazoo College Dr. John Fink Upjohn Company David Magerlein
Klaiber, Susan	Some Topics in the Mathematics of Change Ringing: Plain Bob and Related Methods	Kalamazoo College Dr. TJ Smith Western Michigan Dr. A.T. White
Magerlein, Suzanne	Upjohn Job Report: GPSS Simulation of Credit and Collection Department	Upjohn Company William E. Dodge
Phelps, Frederick M.	Sales of Pharmaceuticals as a Function of Promotion: A Study for Upjohn International, Inc.	D. B. Magerlein
Raphelson, Jeff	Code-Generating Programs	Ms. Eva D. Williams

1980-81

Bielawski, Marie	The Theory of Two-person Games	Kalamazoo College Dr. George Nielsen
Daly, David Tapman	User's Manuals for Simplex-Method Programs on the Western Michigan University Computer Program Library	Kalamazoo College Dr. Stanley Rajnak
Emery, David M.	Least Squares Fitting on an Integral Equation	Kalamazoo College Dr. David Fenner Dr. Stanley Rajnak
Holmes, Timothy M.	Evaluation of the Convergence Rate to the Turning Point Parameter (Using Piecewise Linear Galerkin Approximation Techniques)	General Motors Research Dr. James C. Cavendish Kalamazoo College Dr. Stanley Rajnak
Wells, Nicola	The Dynamic Newly Industrializing Countries	Kalamazoo College Dr. Stanley Rajnak Dr. Tom Fraker

1979-80

Eick, Stephen	Computer Simulation of a Packaging Line at the Upjohn Company	Kalamazoo College Dr. T. J. Smith Upjohn Co. David P. Rutten
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		Roger N. Turner
Frost, Richard Allen	Calculation and Analysis of $do/dI=0$ in the 1.5 GeV/c Momentum Range	Kalamazoo College Dr. TJ Smith Dr. David Winch Argonne National Laboratory Dr. Akihiko Yokosawa
Helson, Rick	Some Properties of the Fibonacci Sequences and Series	Kalamazoo College Dr. John Fink
Ito, Yukari	Basic Program Plot2 and Pascal Program CMG-Program	Kalamazoo College Dr. Stanley Rajnak
Koestner, Bart	Kalamazoo College Student Evaluation of 1978-79: A Statistical Study and Related Research	Kalamazoo College Dr. Stanley Rajnak
Kremers, Walter	Feeding Ecology of the Migrant Dunlin(<i>Calidris Alpina</i>) in Massachusetts	Manomet Bird Observatory Brian A. Harrington David C. Schneider
Lindstrom, Mary	Resource Allocation Via the Critical Path Method	Upjohn Company David Magerlein
Pielemeier, William	An Improvement of a Model of Excitatory -Inhibitory Interaction in Localized Neural Subpopulations	Kalamazoo College Dr. Stanley Rajnak
Salkeld, James W.	An Upjohn Internship	Upjohn Don Stoneburner Kalamazoo College Dr. TJ Smith
Wiggins, Marilyn	Forecasting the Market for new Products under the Development at the Upjohn Company	Kalamazoo College Dr. John Fink Dr. T. J. Smith The Upjohn Co. David P. Rutten
Wotila, Patricia	A Report on the Actsis Project, Interfacing Automated Teller Machine Data at CPU, Inc.	Kalamazoo College Dr. TJ Smith

1978-79

Birkmaier, Gary E.	A Statistical Package: An Implementation of a Truncated Sequential t-Test	Kalamazoo College Dr. John Fink
Clark, Steven J.	Development of the 6800 Microcomputer System	Kalamazoo College Dr. David Rogers
Frohman, Charles Dale	The Automorphism groups of Graphs	Kalamazoo College Dr. Russel Smucker Upjohn Co. Dr. Mark Johnson
Gold, Lisa	Finite Markov Chains	Kalamazoo College Dr. T. J. Smith
Hansen, Joseph	An Application of the Elo Rating	Kalamazoo College

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	Data	John Gill, Stan Rajnak
Barth, Michele	Job Report: Computer Simulation of Steroid Production	Kalamazoo College George Nielsen
Kodiak, Karl T.	Random Walk Theories of the Stock Market	? A.F. Bausch, John Bornhofen
Lipinski, Ronald L.	A Characterization of the Irreducible Representations of the Group of Rotations	Kalamazoo College George Nielsen
Magerlein, James	A Study in Minkowski Geometry: Perimeter and Area	? T. Jefferson Smith
Paterson, Beth L.	An Examination of Game Theory and Poker	? Philip Tuchinsky
Smith, Gary	Translation of a Computer Program from Dynamo to CSMP-10	Kalamazoo College/Grand Rapids (CES) Alan Buskirk, George Nielsen, Philip Nunn
Smith, Paula	Job Account: Program Translation, Input Logic, and Message Checks	Kalamazoo College Alan Buskirk, George Nielsen

1971-72

Belski, William	Infinity	? A.F. Bausch
Bray, Helena	Gaussian Quadrature	? T. Jefferson Smith
Bullwinkle, Candace	One Direction is Mathematical Linguistics: Generative Grammars	Kalamazoo College Stanley Rajnak
Davis, Gregory M.	George Cantor's Mathematical-Philosophical Theory, Selected Translated Excerpts	? A.F. Bausch
Fay, Thomas R.	Logic in Practice: Model-Theoretic Completeness	? A.F. Bausch
Steward, John R.	The Pure Calculus of Entailment	? A.F. Bausch
Vaskelis, Frank	SAL - A Simple Symbolic Assembler	? T.J. Smith

1970-71

Boyce, James	An Introduction to Polynomial Approximation Theory	Kalamazoo College Stanley Rajnak
Bradley, Richard	A Program for Basic Research in Artificial Intelligence	Kalamazoo College Stanley Rajnak

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Corp, David	The Special Theory of Relativity	Kalamazoo College Stanley Rajnak, David Winch
Dickerson, Douglas S.	Criticism of the Theory of Transfinite Numbers	? A.F. Bausch
Hocker, Walter	Fundamental Concepts of Category Theory	? A.F. Bausch
Kring, Jonathan	Continued Fraction Theory	?f T. Jefferson Smith
McCleery, John	The Unsolvability of a Fifth Degree Polynomial and Related Galois Theory	? George Nielsen

1969-70

Grantham, Paul	On Fundamental Solutions	Kalamazoo College Stanley Rajnak
Harris, Robert A.	Lebesgue Measure: An Introduction	Kalamazoo College Stanley Rajnak
Lour, Lawrence T.	Lebesgue Measure	Kalamazoo College Stanley Rajnak
Ruddell, Lucinda	A Logical Development of Arithmetic as Based on the Theories of Guiseppe Peano and Gottlob Frege	? A.F. Bausch
Thompson, William C.	Generalizations of the ϕ and μ Functions	? Meredith Potter

1968-69

Kaugars, Agnis	A Theorem of the Removal of Vertices from Blocks	Kalamazoo College T. Jefferson Smith
Opie, Lawrence K.	Mathematical Linguistics and the Rationalists	? A.F. Bausch
Rapley, William	Topological Groups	Kalamazoo College George Nielsen
Robinson, Larry	Theory of Retracts	Kalamazoo College Stanley Rajnak
Schaffhauser, Harrison	A Tool for Devising a Bridge Bidding System	Kalamazoo College Stanley Rajnak
Trener, Robert	The Problem of the Queens	Kalamazoo College Stanley Rajnak

1967-68

Garland, Harry T.	Information Theory and the Genetic Code	Kalamazoo College Stanley Rajnak
Wolofski, Susan	Introduction to the Theory of Games Finite Zero-Sum Two Person Games	? A.F. Bausch

1966-67

Gotts, Terry L.	Information Theory	Kalamazoo College
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		Stanley Rajnak
Merchant, Joseph L.	Differential Forms	Kalamazoo College Stanley Rajnak
Nelson, Diane A.	Mathematical Aspects in the Freeway Merging Situation	Kalamazoo College Stanley Rajnak
Rose, Jonathan F.	A Generalized Questionnaire Analyzer Program Specifically Used for the Danforth Study	? William Jensen
Sambo, A.A.	The Structural Theorems of Infinite Abelian Groups	Kalamazoo College George Nielsen
Scribner, Charles W.	A Comparison of Two "New Math" Texts and the Historical Development of Their Foundations.	Kalamazoo College Jean Calloway
Smith, Erick	Solutions of Selected Problems as Posed by Walter Rudin in his Book: <u>Principles of Mathematical Analysis</u>	Kalamazoo College Stanley Rajnak
Wright, Gary	A Study of the Mersenne Numbers	Kalamazoo College Jean Calloway

1965-66

Howard, James H.	On von Neumann's Model of an Expanding Economy	? A.F. Bausch
Huddleston, John R.	The Semantic Definition of Truth in Formalized Languages	Kalamazoo College A.F. Bausch
Ionta, Robert W.	Non-Associative Number Theory: Meditations Upon an Article by T. Evans	Kalamazoo College George Nielsen
Nussbaum, Mitchell	The Intuitionist Reconstruction of Mathematics	? A.F. Bausch
Pifer, James W.	Twelfth Grade Mathematics: A Summary of Changes and a Review of New Possibilities	? A.F. Bausch
Pirog, Diane C.	Algorithms	? A.F. Bausch
Strong, Helen C.	A Comparison of Three "New" High School First-Year Algebra Courses	Kalamazoo College J.M. Calloway
Warner, John W.	Orthogonality and Related Ideas	Kalamazoo College George Nielsen
Wild, Gary Lauren	The Development, Derivation, and Classical Application of the Utility Function in Decision Theory	? A.F. Bausch

1964-65

Albert, A. James	A Generalized Program in Numerical Analysis	Kalamazoo College George Nielsen
Archer, Ruth	A History of Some Polynomial	Kalamazoo College

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	Equations	Jean Calloway
Edmonds, J. Ronald	The Origins of Point-Set Topology	Kalamazoo College George Nielsen
Eick, Richard	A Development of the Loop Concept	Kalamazoo College George Nielsen
Filkin, David L.	Mathematical Proportions in Modern Architecture	Kalamazoo College J.M. Calloway, George Nielsen, M.J. Waskowsky
Foreman, Jack	An Introductory Study of Hyperbolic Geometry	? A.F. Bausch
Hayward, Thomas J	An Introduction With Emphasis on the Cycling Phenomenon of Linear Programming	? A.F. Bausch
Heath, David C.	A Study of the Differences Between Consecutive Prime Numbers	Kalamazoo College Jean M. Calloway
Martin, Michael	Elementary Transcendental Functions of a Real and Complex Variable	Kalamazoo College George Nielsen
Meade, Elizabeth	The Experimental Works of Jean Piaget and a Discussion of Their Educational Implications	? J. Calloway, Douglas Peterson
Overbeek, Ryan	Euclid's Parallel Postulate	? O. Ghaznavi
Priebe, Wolfgang H.	An Introduction to the Mathematical Theory of Linear Programming	Kalamazoo College Jean M. Calloway
Tornga, J. Edward	An Exposition of Hadamard Matrices	Kalamazoo College Jean M. Calloway

1962-63

Phillips, Virginia R.	On Curves of Constant Breadth	Kalamazoo College/ T.J. Smith
Rose, Philip B.	The Selbert - Erdos Elementary Proof of the Prime Number Theorem	?
Strong, Alan E.	Wind and Current Study at Detroit's Metropolitan Beach	U of M Great Lakes Research Division/John Ayres
Walkoe, W. J., Jr.	Three Proofs of a Theorem of Set Theory	A.F. Bausch

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1999-2000

Chrzanowski, Jozef	The Use of Scientific Computing in the Pulp and Paper Industry	J. Timm, Johnson Corporation; Alyce Brady, Kalamazoo College
Hanson, Leonard J.	Binary Packaging & Installation Using the Red Hat package Manager	InGenius Technologies; Alyce Brady, Kalamazoo College
Hawker, Jennifer	Professional Web Design: Meeting the Needs of both a Business and its Web Site Users	C. Miller & P. Misner, Willow Lake Management and Greenleaf Realty; Alyce Brady, Kalamazoo College
Johansson, Patrik	SIP in Physics - Practical Experience in the Expansion of a Physical Plant in the Poultry Industry Following European Community Guidelines	P. Holmberg et al. Guldfageln AB, Morbylanga, Sweden; D. Winch, Kalamazoo College Physics Department
Kent, Robert	Interactive Instruction of Advanced Placement Computer Science	S. Houtrouw, KAMSC; Alyce Brady, Kalamazoo College
Mamou, Ed	Ecosystem Modeling: Stability and the Effects of Perturbations on an Ecosystem	Y. Luo, Botany Dept., University of Oklahoma; Eric Barth, Kalamazoo College
Manninen, Kurt	The Audio/Video Matrix: The Development of a Knowledge Base	J. Hardin & S. Teasley, UofM School of Information; Alyce Brady, Kalamazoo College
Marcoux, Patricia	Document Representation in Today's Internet Browsers	W. Fitzgerald, Neodesic Corporation; Alyce Brady, Computer Science, Kalamazoo College
McHale, Matthew	pdf2web: A Catalog-to-Web Page Utility in Perl	Alyce Brady, Computer Science, Kalamazoo College
Nishizawa, Michael	Inner Space: An Experiment in Internet Art	R. Koenig, Art Department Kalamazoo College; Alyce Brady, Kalamazoo College
Preisser, Jonathan	An Analysis of Accelerated Remedial Mathematics Education for 9 th and 10 th Grade Students	T. Harrington, Dept. of Math, Noble & Greenough School; John Fink, Kalamazoo College
Reuter, Bethany	An Introduction to SAS Programming	Eric Nordmoe, Kalamazoo College
Smith, Sean	The Development of Internet Systems	P Stommen, Nucleus Communications; Alyce Brady, Kalamazoo College
Wade, Michael	The Building of a Personal Computer, Alternatives Available and Trade-Offs for Using Different Technologies	Alyce Brady, Kalamazoo College
Weinhold, Rebecca	Characteristic Behavior of dynamics on the Interval: From Cycles to Chaos	John Fink, Math, Kalamazoo College
Yake, Kimberly	A Study of Sylow Theory and Related Topics	John Fink, Math, Kalamazoo College

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WHERE/ADVISOR

2000 – 2001

Brockington, Sam	SIP in Physics: Plasma Diagnostics for Applications in Space Propulsion	University of Alabama, Huntsville, AL, C.W. Hawk, S. Deaconu; Tom Askew; Physics, Kalamazoo College
Arney, David (orig '99)	Developing a Modal Specification Language	RC McDowell, Computer Science, Kalamazoo College
Freeman, Brook (chem major)	Creation of a Small Art Business's Web Site	Alyce Brady, Computer Science, Kalamazoo College
Grostick, Christian	Connected Sums and Decompositions of Plane Curves	J. Pohjanpelto, Dept. of Mathematics, University of Oregon; Michele Intermont, Math, Kalamazoo College
Klepper, Jordan	SIP in Theater	
Oakleaf, Rob	SIP in English	
Page, Eric	Computer Interface Progression: From Punch Card to Windows and Beyond	J. Timm, Johnson Corporation; Alyce Brady, Computer Science, Kalamazoo College
Russo, Romolo	SIP in Theater	
Smith, Allison	Development of A Beneficial Intranet System and Implementation of a Knowledge Management System in a Large-scale Pharmaceutical Company	M. Warchol, Pharmacia; Alyce Brady, Computer Science Kalamazoo College
Smyrnios, Troy	Group Representation Theory, Molecular Dynamics, and Vibrations of the Bucky Ball	Steve Mackey, Math, Kalamazoo College
Spaulding, Autumn	Integration of Elementary Patterns with Data Structures	Alyce Brady, Computer Science Kalamazoo College
White, Heather	Quality and Reliability at General Motors Dealing with Statistics in Manufacturing: Correlation of Gauges	D. Horgea, GM, Romulus, MI; Eric Nordmoe, Math, Kalamazoo College

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2001 - 2002

Ashley, Dawn	Understanding Rings of Invariant Polynomials	Michele Intermont, Math, Kalamazoo College
Beights, Andy	Why I Had to Break iTrax; A Discussion of PDT, ISO and TQM	J. Paitek & O. Yoon, Portable Data Technologies, Traverse City, MI; Alyce Brady, Computer Science, Kalamazoo College
Connell, Beth Hark	Obvis-V2: A Visualization Tool for Teaching Object-Oriented Programming Concepts in Java	H. Dershem, Dept. of Computer Science, Hope College; Alyce Brady, Computer Science, Kalamazoo College
Cooper, Nate	Internet Security: Winning the Battle with Hackers	Alyce Brady, Computer Science; Kalamazoo College
Crew, Jeremy	Developing a CPU Simulator for Use in the Classroom	Alyce Brady, Computer Science; Kalamazoo College
Einspahr, John	Mathematical Models of Molecular Transitions	Eric Barth, Math, Kalamazoo College
Elston, Chris	Perl vs. C: Comparing Scripting Languages and Structured Languages for Application Development	B. Miller, Nucleus Communications, Kalamazoo, MI; Alyce Brady, Computer Science, Kalamazoo College
Gross, Justin	Computer System Administration: In Small Academic Context and Beyond	T. Blackmer, Dir. of Technology, Ionia Public Schools; Alyce Brady, Computer Science, Kalamazoo College
Han, John	Grid Networks: The New Computing Infrastructure	Alyce Brady, Computer Science; Kalamazoo College
Holt, Caryn	Improving User Interfaces During Development	A. Miller, L. Lee Stryker Center & Alyce Brady Computer Science; Kalamazoo College
Kenney, Matthew	Quantum Computing and the Temperature Dependence of Trions in Quantum Dot Potentials"	D. Steel; U of M Depts. of Physics & Electrical Engineering, Jan Tobochnik, Physics, Kalamazoo College, , and Alyce Brady Computer Science, Kalamazoo College,
Neumann, Nick	The Continuing Story of Alice and Bob: A Discussion of RSA Cryptography	Pamela Cutter, Computer Science, Kalamazoo College
Nussdorfer, Michael	The Use of Automation in the Quality Assurance Endeavors of Software Development Companies	W. Riley, Financial Computer Support, Inc., Oakland, MD; Alyce Brady, Computer Science, Kalamazoo College

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Price, Erin HS major	The Relationship Between Diabetes Mellitus and Periodontal Disease	JP Gobetti & T. Green, U of M, School of Dentistry; Eric Nordmoe, Math, Kalamazoo College
Schaller, Mark	The Bridge Across the Chasm: The Technology of Genetic Programming and the Research that Makes it Possible	R. Pryor, Sandia National Labs; Alyce Brady, Computer Science, Kalamazoo College
Sieg, Annette	Nest Site Fidelity of Leatherback Turtles (<i>Dermonchelys coriacea</i>) on Playa Grande, Costa Rica: A Statistical Analysis of Individual Nest Site Selection	Eric Nordmoe, Math; Kalamazoo College
Strickler, Gary	The Benefits of e-Commerce and the Fundamentals of Creating an e-Business Web Site	M. Mirsky, Supply-Chain-Systems, Midland, MI; Alyce Brady, Computer Science, Kalamazoo College
Tenenbaum, Matt	Toward a Dialogical Model: revisiting human-machine interaction	Alyce Brady, Computer Science; Kalamazoo College
Walther, W. Kyle	Examining the Impact of the Internet on the Electoral Process	Alyce Brady, Computer Science, Kalamazoo College
Zarafonetis, Michael	Graphical User Interfaces, Their Benefits, and Their Drawbacks	M. Clem, Team Midwest Marketing Group, Inc., Grand Rapids, MI; Alyce Brady, Computer Science, Kalamazoo College

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2002-2003

Birkhill, William	Pattern Matching and Regular Expression Notation	Alyce Brady, Computer Science, Kalamazoo college
Buchenroth, Matt	Developing a Graphic Design Company's Website	Pam Cutter, Computer Science, Kalamazoo College
Buda, Jon	Analysis of Current Web Application Design Methodologies: Quality Products in Web- Time	C. Recker, Motorola Corporation Semiconductor Products sector, Tempe AZ; Alyce Brady Computer Science, Kalamazoo College
Callam, Benjamin	Object Oriented Analysis of TACT Accelerometer Calibration Tool	L Schneider, U of M Transportation Research Institute, Ann Arbor MI; Pam Cutter, Computer Science, Kalamazoo College
Cross, Ashley	Frame Systems for Knowledge Representations in Python	Will Fitzgerald, Computer Science, Kalamazoo College
Finnemann, Nicole	How do we Make Math More Important? Confronting Issues in the Education of Mathematics in the Galapagos Islands	R.A. Cueva, Escuela Politecnica Nacional, Centro de Investifacion y Desarrollo de la Educacion Ecuatoriana, Quito, Ecuador; John Fink, Mathematics, Kalamazoo College
Knapman, Samantha	Mixed Modeling of the Leateherback Turtle Nesting Preference at Playa Grande, Costa Rica	Eric Nordmoe, Mathematics, Kalamazoo College
Kopparthi, Ashwin	The Canon Bio-Technology Project: Volumetric Medical Imaging	D. Deer, Canon R&D Center Americas, San Jose, CA; Pam Cutter, Computer Science Kalamazoo College
Match, Nick	ColdFusion Web Application Design	G. Mys, Up Arrow Inc. & Data Constructs; Pam Cutter, Computer Science, Kalamazoo College
Pflug, Michael	Investigating Conformation Changes of Alanine Dipetide and Cyclosporin A Using Molecular Dynamics	Eric Barth, Mathematics, Kalamazoo College
Schneider, Justin	Cost Versus Quality of Care; Hospitalists and Their Impact on Eight Diagnosis Related Groups	Eric Nordmoe, Mathematics, Kalamazoo College
Schnoll, Anders	The Use and Applicability of Timeline Interfaces	Will Fitzgerald, Computer Science, Kalamazoo College
Sheehy, John	Development and Implemenation of a Global Intranet in a Large-Scale Phameaceutical Company	S. Ingersoll, Phamacia Corporation; Pam Cutter, Computer Science, Kalamazoo College

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Wolf, Benjamin	An Analysis of a Web-Based Content Management System	Will Fitzgerald, Computer Science, Kalamazoo College
Zilli, Eric	Visualization of Four-Dimensional Objects	Eric Barth, Mathematics, Kalamazoo College

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2003-2004		
Borgerson, Bo	Internet Development in the People's Republic of China	Alyce Brady, Computer Science, Kalamazoo College
Boven, Brad	Adaptive Task and Resource Allocation Networks	Péter Érdi, Luce Professor & Alyce Brady Computer Science, Kalamazoo College
DiVirgilio, Christopher	SOD & SODFARM [Web] Database Applications	N. Madura, U of M, Transportation Research Institute,, Ann Arbor, MI; Alyce Brady, Computer Science, Kalamazoo College
Gardner, Matt	Software Engineering vs. Software Programing and the Profiler Administrator Console	J. Atkins, FactSet Research Systems, Stanford, CT; Alyce Brady CS Kalamazoo College
Kairys, Jordan	Intelligent User Interface Design Through Complex Event Pattern Recognition on a Mobile Robot Platform	H. Dersham, Computer Science, Hope College, Holland, MI; Will Fitzgerald, Computer Science, Kalamazoo College
Kemple, Andrew	Computing Activation Energies of Flexible Biomolecules in Generalized Born Continuum Solvent Environments	Eric Barth, Mathematics, Kalamazoo College
Kleinebreil, Tim	Computer Modeling and Simulation of Minimum Energy Paths of Flexible Molecules	Eric Barth, Mathematics, Kalamazoo College
Koehler, Bree	Calculating Equivariant Homotopy Groups	Michele Intermont, Mathematics, Kalamazoo College
Lynch, Zachary	The Development of a Japanese Computer Assisted Language Learning Program	J. Warren, Japanese, Kalamazoo College; Alyce Brady CS, Kalamazoo College;
McLeese, Shawn	Methods for Path Optimization in Biomolecules	Eric Barth, Mathematics, Kalamazoo College
Mikkelson, Rana	The Relevance of Group Theory to Composing Peals of Plain Bob Triples	Michelle Intermont Kalamazoo College
Murphy, Aileen	The TRUE Permutations of the Bells	Michelle Intermont Kalamazoo College
Rohrkemper, Bobby	Autocorrelation and Fourier Analysis for Detecting Periodic Cell Potentials in a Simulated Inhibitory Neural Network (physics SIP)	Dept. of Biophysics, KFKI Research Institute for Particle and Nuclear Physics of the Hungarian Academy of Sciences, Budapest, Hungary; Physics Department, Kalamazoo College, Péter

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		Erdi
Venner, Eric	The Registration Problem: Optimizing First-Year Fall Enrollment at Kalamazoo College	Alyce Brady, Computer Science, Kalamazoo College
Warner, Rebecca	A World of Traits: An Analysis of Computer-Simulated Trait-Based Social Networks	Jan Tobochnik, Physics, & Alyce Brady, Computer Science, Kalamazoo College

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2004-2005

Baucher, Brian	Information and Guidelines of Installing a Wireless Computer Network	Kelly Schultz, Computer Science Kalamazoo College
Booth, Joel	Software Design Patterns, The Marine Biology Simulation Case Study, and The Grid Package	Alyce Brady, Computer Science, Kalamazoo College
Gejji, Richard	Action Potential Propagation Failure in Leech Neurons. (or When Leech Brains Turn Impotent)	Purdue University, W. Lafayette, IN; Michele Intermont, Mathematics, & Péter Erdi, Complex Systems, Kalamazoo College
Klepper, Caycee	Improvomatics: Math Enrichment Program at Hillside Middle School	John Fink, Mathematics, Kalamazoo College
McKinney, Andrew	Emerging Methods of Web Media	Pam Cutter, Computer Science, Kalamazoo College
Robbins, Stephen	Automating Information Collection, Storage, and Distribution	Carolyn Zinn, Web Services, & Pam Cutter Computer Science, Kalamazoo College
Smith-Palmer, Michael	Transitional Trajectories Between Minimum Energy Conformations of Flexible Biomolecules	Eric Barth, Mathematics, Kalamazoo College
Stowe-Schnell, Travis	New Labs for College Level Courses: Linear Algebra I	Michele Intermont, Mathematics, Kalamazoo College

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2005-2006

Brenke, Ashley	The SmartSearch System: A Simple Solution for Undergraduate Researchers	Rick Bearden, Ferris Library for Info., Technology and Education, Ferris State U, Big Rapids, MI; Alyce Brady, Computer Science, Kalamazoo College
Down, Mark	The Expected Points of an NFL Player Based on Age: Regression Models & Football Statistics	Eric Nordmoe, Mathematics, Kalamazoo College
McCarthy, Colin	The Internet as a Medium for Experimentation	Pam Cutter, Computer Science, Kalamazoo College
Mihalik, Jeff	Tracking Assets and Saving Money	Marcus Kincaid, Johnson Controls, Plymouth, MI; Alyce Brady, Computer Science, Kalamazoo College
Neill, Ian	Approximating Free Energy Surfaces	Eric Barth, Dept. of Mathematics, Kalamazoo College
Rinker, Paige	A New Axiomization of the Variety of Trimedial Quasigroups	J.D Phillips, Dept. of Mathematics, Wabash College, Crawfordsville, IN; John Fink Math, Kalamazoo College
Willey, Travis	A Look into Video Game Development	Nathan Sprague, Computer Science, Kalamazoo College

2006-2007

Alworth, Colin	Security and Privacy at Institutions of Higher Learning	Mike Hansen, College of St. Scholastica, Duluth, MN; Alyce Brady, Computer Science, Kalamazoo College
Brunner, Dale	Botnet Infiltration and Research	Arbor Networks, Ann Arbor, MI Alyce Brady, Computer Science, Kalamazoo College
Hughes, James	Pseudo-random Number Generation Using Binary Recurrent Neural Networks	Frankfurt Institute for Advanced Studies, Frankfurt, Germany; Nathan Sprague, Computer Science, Kalamazoo College
Nixon, Thomas	The Quadratic and Cubic Laws of Reciprocity	Pam Cutter, Computer Science, Kalamazoo College

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2007-2008

DeGuire, Jesse	Create-ing an Easy to Use Robot: An interface for research and learning	Nathan Sprague, Computer Science, Kalamazoo College
Kellogg, Mathew	Applying Software Methodologies to a Web Application	S. Mader, Electronic Data Systems College, Detroit, MI; Alyce Brady, Computer Science, Kalamazoo
Melaas, Eli	A Climatological Investigation of Global Dimming at Blue Hill Observatory, Milton, MA	M. Iacono, Atmospheric and Environmental Research; Eric Barth, Mathematics, Kalamazoo College
Williams, Lauren	An Exploration of Stopper Knots: Using Knot Theory to Examine Knot Strength	Michele Intermont, Mathematics, Kalamazoo College

2008 - 2009

Anderson, Evan	Facebook Application Development: Concepts and Example Using the PMOG Web Application	Alyce Brady, Computer Science, Kalamazoo College
Antonishen, Michael	Harnessing Ocean Wave Energy	WaveEnergy Fyn, Denmark/physics Tom Askew, Physics, Kalamazoo College
Beck, Scott	Molecular Characterization of Metal Organic Frameworks	Physics,
Derks, Halcyon	A Different Approach to Recurrence Relations: A Combinatorial Proof of the Closed Forms for Linear Recursions	Michele Intermont, Mathematics, Kalamazoo College
Flaughner, Brad	Complex Systems SIP	
Howlett, Jerrod	CS Curriculum at Work: Utilizing Computer Science in the Business World	Pamela Cutter, Computer Science, Kalamazoo College
Johnson, Daniel	Impossible Spaces and Rendering Algorithms	John Fink, Mathematics, Kalamazoo College
Rye, Chelsea	Art SIP	
Sanders, Jaclyn	Optical Fiber Stabilization for AdvLIGO"; Laser Interferometer Gravitational Observatory (LIGO), Richland, WA	LIGO, CA Tom Askew, Physics, Kalamazoo College

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2009-2010

Barkley, Brian	An Application of Algebraic Topology to Multiprocessor System Science	Michele Intermont, Mathematics, Kalamazoo College
Brumsickle, Aidan	Practical Application of Usability and Accessibility in Web Applications	Nathan Sprague, Computer Science, Kalamazoo College
Dugal, Kevin	An Analysis of Primality Testing Algorithms	Pamela Cutter, Computer Science, Kalamazoo College
Hoxey, Alec	Create-ing a Robot Simulator	Nathan Sprague, Computer Science, Kalamazoo College
Nayer, Ben	Collaborative Filtering and the Netflix Prize	Nathan Sprague, Computer Science, Kalamazoo College