

Mickey M Nakagome

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Education

The University of Toledo, Toledo, Ohio

Master of Science, Mathematics with emphasis on Applied Mathematics and Software Engineering

Teaching Experience

Arizona State University, 2008, 2009, 2018-Present

Faculty Associate, Instructor, and Visiting Faculty

Freshman Mathematics, College Mathematics, College Algebra, Precalculus, and Mathematics Analysis for Business.

Maricopa Community Colleges, 2007-2022

Adjunct Faculty

Developmental Mathematics, Intermediate Algebra, College Mathematics, and College Algebra.

Arizona College of Nursing, 2021

Adjunct Faculty

College Mathematics

Grand Canyon University, 2008-2017

Instructor, Online Full time Faculty, and Adjunct Faculty

Basics of Algebra, Intermediate Algebra, College Geometry, College Mathematics, Precalculus, Brief Calculus, and Calculus with Analytic Geometry I & II.

DeVry University and Keller Graduate School of Management, 2009-2010

Adjunct Faculty

Basics of Algebra, Intermediate Algebra, Precalculus, and Foundations of Managerial Mathematics.

Service within the College

Arizona State University

- Served as co-Faculty advisor to Prison Education Awareness Student Club and led Data Analysis Team, 2019-2020
- Actively participated the meetings with ALEKS and McGraw Hill implementation team to promote further product enhancement and expediate bug fixes related to MAT117 College Algebra, 2019-2020
- Supervised a non-original Honors Project for Barrett Honors College students. 2019
- Supported MAT 117 College Algebra Pilot and Initial rollout of Predictive Dashboard developed by EdPlus Research team, 2019-2020

Service within the College (Continue from a previous page)

Maricopa Community Colleges

- Maricopa Community Colleges Foundation Scholarships Reviewer, 2017-Present
- Diversity Committee, Estrella Mountain Community College, 2018
- I Will Graduate (IWG) Committee, Estrella Mountain Community College, 2017-2018
- United Way Campaign Committee, Estrella Mountain Community College, 2018
- Hispanic Heritage Month Committee, Estrella Mountain Community College, 2017-2018
- Supervised Honors projects, Estrella Mountain Community College, 2017

Grand Canyon University

- Course coordinator Brief Calculus, 2012 and Precalculus, 2013
- Regularly facilitated National Evaluation Series (NES) Mathematics Test preparation workshops for Pre-service secondary education mathematics teachers, 2014-2016
- Actively supported Student club of Pre-service secondary mathematics teachers and Health Occupations Student Association, 2013-2016
- Liaison to Director of Dual Enrollment and Phoenix Union High School District Dual Enrollment Instructors, 2012-2015
- Compiled concept video library for preparation toward the University Placement Exam in Mathematics for incoming 7,500 students, 2012-2014
- Faculty liaison to GCU Learning Lounge (Student Success Center), 2013-2017
- Participated the forums to discuss a transition to non-profit status with the Higher Learning Commissions (HLC), 2016

Mentoring

- Served as a mentor to students in the Engage Estrella (E2) Program, Estrella Mountain Community College, 2017-2018
- Mentored Mathematics Adjunct Faculty and organized Adjunct Faculty In-services, Grand Canyon University, 2012-2015
- Served as a mentor to Engineer new hires and Engineer interns. This is to support the Engineering Rotation Program (ERP), Motorola Inc. 1992-1998

Conference Presentation

- Nakagome, M. (2016). *Integrate mobile devices to increase students learning*. International Conference on Technology in Collegiate Mathematics (ICTCM), Atlanta, GA, March 11-13, 2016.
- Nakagome, M. (2016). *Transforming reluctant learners to overachievers*. Faculty Day of Learning Conference, Phoenix College, Phoenix, AZ, February 6, 2016.

Textbook Review

Gaze, E. (2018). *Thinking Quantitatively: Communicating with Numbers* (2nd ed.).

Requested by Pearson Higher Education to review advance copy.

Professional Development

- REMOTE: The Connected Faculty Summit, Arizona State University, 2022
- QM (Quality Matter) Improve Your Online Course (IYOC), 2021
- Certificate of completion of the Master Class for Teaching ASU Online, 2019
- Completed all seven modules of the Maricopa Modules (Trajectories) + AMP Project Professional Development,
(funded by *NSF Algebra Instruction at Community College grant*), 2017

Professional Association

- Mathematics Association of America (MAA)
- National Council of Teacher of Mathematics (NCTM)
- American Mathematical Association of Two-Year College (AMATYC)
- Chandler Education Foundation

Software

- Learning Management System (LMS):
Canvas, Blackboard, and MathAS.
- Online Education Platform:
ALEKS, WebAssign, MyMathLab, MyLabPlus, MathXL, and MathAS.
- Technology in classroom
Pull Everywhere, Kahoot, Socrative, TI-SmartView Graphing calculator Emulator, Kami, and Slack.
- Video and Web Conferencing:
Host the Zoom meetings with a digital whiteboard.
- Remote Proctoring:
Respondus Monitor and LockDown Browser.
- Microsoft Office:
Excel, PowerPoint, Word, and Access.

Professional Experience

Pearson, 2002-2016

Professional Scorer - Regional Scoring Center and Scoring at home, 2002- 2016

- Evaluated student responses to reading and mathematics assessment according to the Department of Education supplied scoring guide.
- Scored the Partnership for Assessment of Readiness for College and Careers (PARCC) in Mathematics, based on the Common Core State Standards.

South Mountain Community College, TRIO Program. 2007-2008

LEAD, Learning Advocate

- Tutored Freshman Mathematics and Transfer level mathematics with various first generation and low-income students.

Banner Health, Corporate Office, 2002

Programmer Analyst, IT Finance

- Supported Smart Stream Payroll system. Responsibilities included being on-call 24x7 for daily and weekly payroll processing.

Motorola Inc, Semiconductor Product Sector, 1989-2001

Local Data Warehouse Administrator and Business Analyst, 1998-2001

- Conducted performance tuning and load balancing analysis of Oracle relational database, providing to management findings that impacted down time and system performance.
- Liaison to Data Warehouse Administrators in France, Hong Kong, Malaysia, Korea, and Mexico.

Principal Computer Integrated Manufacturing Engineer. 1989-1997

- Supported Motorola/Toshiba technology transfer (DRAM, ASIC, SRAM, BiCMOS), bi-weekly coordination with manufacturing facility in Glasgow, Scotland and Sendai, Japan.
- Worked with Ph.D. Physicists and Chemical/Electronic Engineers to automate software to conduct failure analysis.
- Regularly facilitated Statistical Process Control (SPC) and Design of Experiment with JMP Software workshops for Process and Device Engineers.

Miscellaneous

- US citizen
- Working knowledge of Spanish and Japanese