

KATIA PASSOS MAYFIELD

MIS Instructor
Cameron University
2800 W. Gore Blvd
Lawton, OK 73505

EDUCATION:

- MS in Computer Science, 2006
Midwestern State University
Wichita Falls, TX.
- BS in Computer Science, 2003
Minor: Mathematics
Midwestern State University
Wichita Falls, TX.

RESEARCH:

"Scheduling Multi-Dimensional Loops in a Computer Cluster."

RESEARCH INTERESTS:

- Software Engineering – Project Management
- Software Engineering – Testing
- Web Caching
- Computer Security
- Network Security
- Computer Based Education

RESEARCH PARTICIPATION:

- CAESAR - Compilers and Evolutionary System Architecture Research.
Architecture Support and Code Generation for General Nested Loops
-- NSF Award #9704276, total budget: \$240,000.00
- Flexible Integrated Caching Approach (FICA) for Efficient Content Delivery in
Wireless Internet
-- THECB (Texas Higher Education Coordination Board) Award #003656-0108-
2001, MSU budget: \$66,000. Consortium with UT Arlington, total budget: \$
197,222.00.
- HORNER: A micro-parallel system for experimental research
-- MSU Faculty Grants Fund, total budget: US\$ 4,728.47.

SPECIALIZATION COURSES

- **Midwestern State University**
 - Banner – Academic Administration Software 2007
 - International Advisor 2006

PROFESSIONAL EXPERIENCE:**Cameron University**

07/2007 – present

Instructor 08/2007 to present
 Teach Introduction to Computer Information Systems
 Teach Business Application of Microcomputer Software
 Advise Students
 Departmental Coordinator for United Way

Midwestern State University

2001 – 07/2007

International Student Advisor 02/2006 to 07/2007
 Process Applications
 Evaluate Student Transcripts
 Make Admissions Decisions
 Work with Imaged Documents
 Advise Students with International Admissions Concerns
 Create business process analysis models for office procedures
 Work on implementation & clean up of old database system for BANNER project

Registrar Assistant I/II 05/2004 to 02/2006

- Process Transcript
- Supervise Microfilming Station & Project
- Supervise Imaging Station & Project
- Help train co-workers in new Imaging Procedures
- Supervise four student workers
- Maintain Vault in Office
- Register Students
- Work front counter in registrar office
- Verify student status
- Backup person for transcript processor

Graduate Assistant 01/2004 to 04/2004

- Help around the CS office
- Help instructor of Intro. Lab classes
- Help grade class work
- Tutor CS students

Computer Lab Assistant 2001 to 2004

- Help students
- Monitor computer lab

College Connections Peer Leader 2001 to 2004

- Assist with student transition to college
- Inform student of campus activities
- Create critical thinking exercises
- Mentor students when needed
- Help with any other requests by instructor

Barnes and Noble bookstore at MSU

2000–2001

Temporary worker

- Receive/catalog books
- Cashier
- General public assistance

Taco Bueno Restaurant

1999–2000

Temporary worker

- Cashier

General assistance

REFEREED CONFERENCE PUBLICATIONS:

1. "Scheduling Multi-Dimensional Loops in a Computer Cluster" (with N. Passos, A. Joseph, S. Black, and H. Bui), in the Proceedings of the 19th International Conference on Computer Applications in Industry and Engineering, November, 2006, Las Vegas, NV, pp. 78-82.
2. "Multi-Dimensional Retiming applied to Cluster Computing" (with N. Passos and H. H. Tsai), in the Proceedings of the 11th International Conference on Information System Analysis and Synthesis, July, 2005, Orlando, Florida, pp. 124-129.
3. "Hidden Challenges on Teaching Web Software Engineering," (by K. Passos, E. Freeman, C. Wuthrich, and C. Stringfellow), in the Proceedings of the 15th Annual CCSC South Central Conference, in the Journal of Computing in Small Colleges, April 2004, Austin, TX, pp. 196-202
4. "Using Sequence Diagrams to Document Web Element's Unknown Behavior," (by E. Freeman, K. Passos, C. Wuthrich, and C. Stringfellow), in the Proceedings of the IEEE Wireless Communications and Networking Conference, March, 2004, Atlanta, GA, volume 4, pp. 2587- 2592
5. "Hidden Challenges on Web Application Design," (with E. Freeman, C. Wuthrich, and C. Stringfellow) in the Proceedings of the 16th International Conference on Computer Applications in Industry and Engineering, November, 2003, Las Vegas, NV, pp. 333.

PRESENTATIONS:

- North Texas Area Student Conference, Wichita Falls, TX, April 2006

HONORS:

- President UPE – MSU local chapter (Computer Science Honor Society)
- CKI Member
- Member of Association Computing and Machinery – MSU Local Chapter
- Outstanding Freshman Woman at MSU
- All-District Volleyball MVBlocker
- Best Offensive Player Volleyball at Rider HS
- First Team All-District Basketball
- All-District Honorable Mention Volleyball

COMMUNITY SERVICE:

- Volunteer Chaperone for Teen Nights
- Volunteer at Lakeridge Place – Assisted Living Retirement Community
- Girls Basketball Coach for Upward Basketball at Faith Baptist Church
- Child mentor at Jefferson Elementary, Wichita Falls, TX
- Food bank worker

COMPUTER SKILLS:

- Applications:
Microsoft Excel, Powerpoint, Word
- Programming languages
C, C++, Java
- Operating systems
Windows 95/98/2000/XP
- Other computer related topics
Networks, security, computer forensics, SQL database, HTML

SPOKEN LANGUAGES:

- English (fluent)
- Portuguese (fluent)
- Spanish (good)