

MARY DZHIBLADZE

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Education

University of Georgia, Morehead Honors College

Bachelor of Computer Science, Minor in Mathematics — GPA: 3.70

Athens, GA

Expected Graduation: May 2028

Oxford University (Study Abroad)

Oxford, UK

September – December 2026

- **Relevant Coursework:** Algorithms, Systems Programming, Data Structures, AWS Cloud Computing, Theory of Computing, Software Development, Calculus III, Discrete Mathematics, Linear Algebra

Technical Skills

Languages: Python, Java, C, SQL, HTML

Tools & Technologies: Git, Jira, Confluence, AWS, REST APIs, MCP, Valgrind

Engineering Concepts: Data Structures, OOP, Systems Programming, Agile/Scrum, Backend Development, API Design

Certifications: AWS Certified Cloud Practitioner; IT Specialist – Software Development

Professional Experience

Software Engineering & Product Management Intern

May – July 2026

Procter & Gamble

Global HQ, Cincinnati, OH

- Built API layer functionality including live job status/history, structured data transformation for workflow visualization, and WebSocket-based real-time job updates.
- Developed an MCP server foundation with FastMCP, creating 14 tools across 6 domain categories and preparing the system for enterprise integration.
- Organized engineering execution across 50+ epics, 350 stories, and 2 Jira boards, estimated to save several hours per sprint by centralizing backlog visibility, ownership, and delivery readiness.
- Applied API, integration, agent, and MCP architecture patterns while collaborating in a software development workflow across product, UX, and engineering.
- Supported product validation by connecting engineering context with 12 usability sessions and 100+ survey responses to inform future technical and product improvements.

Campus Involvement

EITS Lead Student Consultant

March 2025 – Present

University of Georgia

Athens, GA

- Deliver hardware and software support for campus users while troubleshooting technical issues across university IT services.
- Lead, mentor, and train 40+ student consultants, supporting onboarding, service quality, and operational consistency.
- Track and maintain \$400,000+ in university technology assets, ensuring accurate inventory and reliable operational records.

Side Event Coordinator

July 2025 – Present

UGA Society for Cybersecurity

Athens, GA

- Coordinate cybersecurity-focused club events that help members build technical skills, explore security topics, and connect with peers in computing.
- Partner with officers to plan event logistics, organize communications, and support smooth execution of technical workshops, meetings, and engagement initiatives.

Study Abroad Ambassador

March 2024 – Present

Office of Global Engagement, University of Georgia

Athens, GA

- Present study abroad experiences and insights at Office of Global Engagement events, engaging prospective students and campus stakeholders.
- Selected to present to the University of Georgia President's Cabinet and to an audience of 200+ attendees on above topics.
- Featured in a UGA study abroad article, The World of Computing, for supporting international engagement initiatives.

Projects

File Difference Analyzer (C)

- Compared files byte-by-byte using Unix system calls, implemented dynamic memory management, and verified leak-free execution with Valgrind.

Tree Builder (Java)

- Implemented an interactive Java program to construct and visualize AVL, Red-Black, and Binary Trees, emphasizing balancing operations and traversal algorithms.

Interests

Sketching, art museums, travel, collecting physical media, including CDs, vinyl records, and cassettes.