

Garegin Mazmanyan

424-335-7478 | gmazmanyan@arizona.edu | [LinkedIn](#) | [GitHub](#) | Tucson, 85716

EDUCATION

University of Arizona, College of Science - Tucson, AZ

Master of Science in Computer Science (Accelerated Master's Program)

Expected May 2026

Bachelor of Science in Computer Science, Minor in Industrial Engineering

Expected May 2025

SKILLS

Languages: Python, JavaScript, Node.js, C/C++, Java, Go, Rust, Kotlin, Bash, C#, VBA

Frameworks/Libraries: Bootstrap, React.js, Next.js, Tailwind CSS, Node.js, Express.js, NPM

Databases: SQL, NoSQL, MongoDB, RDS, Aurora, DynamoDB

Cloud Services: AWS (Certified Developer Associate)

DevOps/Tools: Git, Nginx, PM2, Postman, Docker, CI/CD

System Environments: Mac, Windows, Linux

PROFESSIONAL EXPERIENCE

AEYESAFE - Seattle, WA

<https://www.aeyesafe.com>

Jr. Software Engineer Intern (Remote)

Oct 2024 - Present

- Streamlined cross-environment workflows by **containerizing** and **deploying** a customer logic **application** using **Docker**, ensuring consistent development, testing, and deployment processes.
- Designed and implemented a scalable cloud infrastructure using AWS services (**ECS with Fargate, SQS, DynamoDB, ECR, and ElastiCache**), enabling a robust real-time messaging system for high-demand use cases.
- Accelerated deployment efficiency by creating a **CI/CD** pipeline with **YAML** scripts, automating unit testing, Docker image builds, and deployments to ECS with a rollback configuration, and reduced deployment time by 50%, achieving under 4-minute end-to-end releases.
- Secured **user authentication** and **API interactions** by configuring **AWS Lambda** and **API Gateway** with token-based authentication, password hashing, and DynamoDB queries, ensuring high-performance and secure data handling.

University of Arizona - Tucson, AZ

Course Coordinator

Aug 2024 - Dec 2024

- Coordinated with faculty to align curriculum across multiple sections, enhancing learning for 300+ students in software development.
- Managed course logistics, created automated scheduling tools, and handled communications, skills transferable to Agile project management.

Undergraduate Teaching Assistant

Aug 2023 - July 2024

- Mentored 150+ students in Python programming, focusing on coding best practices and problem-solving.
- Developed custom Python teaching materials and coding challenges, improving student understanding of complex programming concepts.

PROJECTS

CSC110 Coding Platform - Full-Stack Developer

Aug 2023 – Present

<https://csc110-coding-platform.com>

- Designed and developed a full-stack educational programming platform using **React.js**, **Node.js**, and **SQL**, featuring:
 - Automated test validation system for efficient feedback.
 - Interactive code editor with real-time Python code execution.
- Built a **RESTful API** architecture, ensuring 99.9% uptime for user management, problem sets, and competition data.
- Utilized **asynchronous programming** patterns (**Promises, async/await**) to optimize API performance and handle concurrent operations seamlessly.
- Implemented user authentication and authorization** using tools like **Passport.js** and JSON Web Tokens (**JWT**), ensuring secure access control for multi-user applications.
- Designed an engaging competition and leaderboard system, boosting student participation by **40%**.
- Optimized **database schema** for seamless handling of user data, submissions, and competition results.