Jake Gresh

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SUMMARY

Computer Science graduate, experienced with object-oriented programming and full-stack development. Pursuing full-time opportunities in the industry.

EDUCATION

B.S. Computer Science   May 2025

Arizona State University, Tempe, AZ   3.93 GPA

Relevant Courses: Data Structures & Algorithms, Assembly, Cybersec, Software Engineering, Databases, Project Management

SKILLS

Programming Languages: C/C++, C#, Java, Python, Dart/Flutter
Web Stack: HTML, CSS, JavaScript, React.js
Tools/Methods: Git, GitHub, JSON, Google Cloud/Firebase, Oracle Cloud, AWS, Unit Testing (JUnit), SQL, Agile/Scrum
OS/Software: Windows, MacOS, Linux/Unix, Android, iOS, Microsoft Office, GDB, WordPress
Certifications: Advanced Accessibility for Web Developers (ASU, 2024)

PROFESSIONAL EXPERIENCE

ACTS - Anthem Cares Through Service, *Anthem, AZ*: Web Development Intern   Mar 2024 - Present
- Migrated and redesigned customized site for nonprofit with 1,000+ volunteers to **Oracle Cloud** Infrastructure
- Overhauled systems to fix bugs and eliminate 100% of malicious form submission spam
- Automating updates and backups for security and stability

Parker Dewey, *Austin, TX*: Mobile Development Intern   Feb 2025 - Mar 2025
- Integrated in-app navigation for a **Dart**/**Flutter** app on **iOS**/**Android**, independently consulting for a logistics company
- Leveraged **Google Cloud** Platform (GCP) services and **Firestore Firebase** to ensure scalable **NoSQL** data flow
- Automated **CI/CD** using **GitHub Actions**, streamlining integration of **Google Maps API** features such as route rendering

Freelance Work, *Phoenix, AZ*: Web Development & IT   Jun 2023 - Present
- Transferred websites to **WordPress** on **OCI** virtual machines, saving one business $1500+ annually
- Automated contact forms and integrated with automatic email communications
- Managed DNS records across GoDaddy and **AWS** services for multiple domains to ensure reliability of webpage redirects and 100% uptime of automatic email services
- Devised a solution to integrate online payment for products as one business expanded into retail locations

PROJECTS

NASA Educational Web Game, *Class Project*   Fall 2024 - Spring 2025
- Collaborated with NASA on a physics-based **C#** Unity game that teaches students about NASA's Psyche mission
- Led team collaboration on **GitHub**, combining 5 minigames into a cohesive final product available to the public
- Practiced **Agile** as **Scrum** Master with sprint planning, stand-ups, and retrospectives, delivered prototype on schedule

Restaurant Database App, *Class Project*   Fall 2024
- Led development of **React.js** web app with restaurant data, users, reviews, and photos
- Wrote **JavaScript** to download data into **PostgreSQL** database from an external API
- Implemented a public API for the backend
- Hosted the backend API and the frontend at gresh.dev/db on an **Oracle Cloud** virtual machine running **Linux**

Code Generator, *Class Project*   Spring 2024
- Developed an abstract syntax tree generator in **C++** for any program in a unique programming language
- Implemented multiple types of error checking to ultimately generate an executable representation for input programs