**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** Jun2023 - 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](http://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