Emma Olivier
>Software Engineer

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Education

Bachelor of Science in Software Engineering
Arizona State University, Phoenix, AZ

Graduated: May 2025
GPA: 3.44

Technical Skills

- Languages & Frameworks:
Java, JavaScript, jQuery, TypeScript, CSS, React, Next.js, Python
- Strong background in UI/UX design and development; experience with Axure, Adobe Photoshop
- Tools & Platforms: Git, GitHub, WordPress
- Testing: JUnit
- Databases: SQL (queries, schema design)
- Methodologies: Agile Scrum
- Additional: Introductory experience with artificial intelligence (AI) technologies specifically working with natural language processing.

Volunteer Work

- Proposed and launched the annual Food to Go fundraiser, now the nonprofit's largest funding source; volunteered for 2 years.
- Led instruction and coordination of an alcohol education program for 30+ middle school students.
- Participate annually in local beach and forest clean-up.

Relevant Experience & Projects

2024 – May 2025 | Capstone Project
Bayes Studio Inc., Remote

- Built interactive React + TypeScript components for real-time visualization of wildfire and smoke detection data, integrating Google Maps API.
- Architected and implemented REST APIs in Python for communication between edge device simulators and cloud services.
- Designed and deployed database schemas in Firestore; wrote queries and managed data migrations for sensor and event logs.
- Contributed in a 4-person Agile Scrum team, completing bi-weekly deliverables on schedule; participated in sprint planning, peer code reviews, and testing with JUnit.

January 2025 – Present | VZ Tech Solutions -
Contract, Seattle WA

- Customized WordPress CMS themes and layouts; implemented responsive, accessible site designs with custom CSS.
- Optimized sites with structured metadata and SEO best practices, improving site performance scores by 20%+.
- Extended functionality with custom JavaScript and third-party plugins.
- Worked with stakeholders to translate business needs into UI/UX improvements that drove higher engagement.