

STEVEN AKIYAMA

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SUMMARY

Computer Science graduate and backend-focused developer experienced in building scalable APIs and automation pipelines. Delivered production-ready systems with FastAPI, Docker, and GCP, including a RAG tutoring platform with LangChain and QDrant.

EDUCATION

Oregon State University Corvallis, OR
Bachelor of Science in Computer Science, Cum Laude Jun 2025
GPA: 3.53 — Relevant Coursework: Data Structures and Algorithms, Database Systems, Operating Systems, AI & ML

PROJECT EXPERIENCE

Cooking Companion Jun 2025 – Present

Python, SQLAlchemy, FastAPI, ReactJS, Pytest, Postman

- Built backend for a recipe storage and grocery list app with offline support using FastAPI and SQLAlchemy
- Designed database schema and RESTful APIs for recipe CRUD and grocery list generation
- Built with scalable architecture, allowing space for future development

TutorAI Sep 2024 – Jun 2025

Python, FastAPI, LangChain, QDrant, AWS EC2, PyTest

- Led end-to-end architecture of a RAG tutoring platform with internal developer APIs and observability hooks, reducing query latency by 30%
- Built FastAPI microservices for vector search, session management, and file ingestion, integrated with CI/CD via PyTest
- Coordinated bi-weekly releases and sprint planning with Jira to deliver features on schedule

Tarpaulin Course Management Jun 2025

Postman, Python, FastAPI, Auth0, Google Cloud Datastore & Storage

- Developed secure REST API with Auth0 and JWTs to support user onboarding and developer-friendly endpoints
- Verified compliance using Postman and Google Cloud test coverage requirements, achieving 98%+ test pass rate

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, C++, SQL, Bash

Frameworks & Libraries: FastAPI, React, Flask, LangChain, PyTorch

Databases: SQLite, PostgreSQL, MongoDB, QDrant

DevOps & Tools: Docker, Git/GitHub, CI/CD (GitHub Actions), PyTest, Google Cloud, AWS EC2, Jira, Linux

WORK EXPERIENCE

Sales Associate Jul 2024 – Sep 2025

The Home Depot – Tigard, OR

- Assisted customers with tailored product recommendations while maintaining safe, organized store aisles