STEVE AKIYAMA

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SUMMARY

Oregon State University B.S. in Computer Science and Full-Stack Developer skilled in Python, FastAPI & React; engineered TutorAI with LangChain vector search and a GCP-powered Course Management tool; champion of Agile/SCRUM and TDD for delivering high-performance, scalable applications.

EDUCATION

Oregon State University   Corvallis, OR

Bachelor of Science in Computer Science, Cum Laude   June 2025

GPA: 3.53 — Relevant Coursework: Data Structures and Algorithms, Database Systems, Operating Systems, AI & ML

PROJECTS

Project: TutorAI   Sep. 2024 – Jun. 2025

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

- Orchestrated and led end-to-end architecture of a RAG tutoring platform, reducing query latency by 30%.
- Developed FastAPI microservices for document ingestion, vector search, and session management.
- Automated CI/CD with PyTest, increasing deployment frequency by 60% and reducing bugs by 30%.
- Led Agile SCRUM ceremonies in Jira, delivering bi-weekly sprints ahead of schedule.

Tarpaulin Course Management Tool   Jun. 2025

Python, FastAPI, Auth0, Google Cloud Datastore & Storage

- Engineered secure REST API with JWT authentication, onboarding 9 users via Auth0.
- Verified compliance with documentation using Postman, earning 98%+ test coverage.

RL Plant Growth Simulator   May – Jun. 2024

Python, Actor-Critic RL Algorithms

- Designed and trained agents to optimize plant growth, achieving 96% of optimal yield at 3% compute.

Android Recipe Browser   Jan. – Mar. 2024

Java, FastAPI, MongoDB

- Built backend services powering recipe filtering and personalization features.
- Coordinated QA workflows in Jira, ensuring timely delivery.

TECHNICAL SKILLS

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

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

Databases: PostgreSQL, MongoDB, QDrant

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

WORK EXPERIENCE

Sales Associate   The Home Depot – Tigard, OR

Jul. 2024 – Sept. 2025

- Delivered customer-focused product recommendations and solutions.
- Maintained clean, safe, and well-stocked store aisles.