Steven Akiyama

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steve-akiyama.github.io (Personal Website)

SKILLS

- **AI/ML:** PyTorch; NumPy; Machine Learning; Reinforcement Learning; MDPs
- **Development Skills:** SCRUM; Database Management; Object-Oriented Programming
- **Web Development:** React; MongoDB; SQL
- **Languages:** Python; Javascript; C++; R

PROJECT EXPERIENCE

TutorAI (Senior Project)   Sept. 2024 – Present
Oregon State University   *SCRUM Master*
- TutorAI is an LLM-centered project focused on creating a seamless platform for student learning.
- Responsibilities include:
    - Managing LangChain libraries for LLM orchestration and implementing retrieval-augmented generation (RAG) for personalized content delivery.
    - Developing and integrating the front end using React and deploying the platform with Uvicorn for seamless performance.
    - Overseeing team management, fostering collaboration, and ensuring project milestones were met effectively.

Reinforcement Learning for Plant Growth Sim   May. 2024 – June 2024
Oregon State University   *Group Leader*
- Led a team of 4 in planning, developing, and implementing a reinforcement learning program to successfully and consistently grow plants using various methods.
- Followed the Markov-Decision Process, and personally focused on developing the Actor-Critic algorithm and the simulator itself.

Image Editor (SCRUM Team Project)   Sept. 2023 – Dec. 2023
Oregon State University   *SCRUM Master*
- Collaborated with a team of 7 to develop an image editing application from the ground up, following SCRUM methodology.
- Contributed to core features, including image manipulation tools and filters, while adhering to Agile development practices.

Android Recipe Browser   Jan. 2024 – Mar. 2024
Oregon State University   *Group Leader*
- Directed a team of 4 in the end-to-end development of an Android recipe finder, viewer, and saver app.
- Oversaw development, milestone planning, management, and testing to ensure a flawless user experience.

EDUCATION

Oregon State University   June 2025
BS, Computer Science   *Corvallis, OR*
- Studied with a focus on AI and ML with a 3.5 GPA.