

Christina Kim

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<https://github.com/ckim115>

Education

San Jose State University | San Jose, CA

August 2022 - May 2026

Bachelors of Science, Computer Science | GPA: 3.8

- **Honors:** President's Scholar, Dean's Scholar

Experience

Software Engineer Intern | Walmart Global Tech | Sunnyvale, CA

June 2025 - August 2025

- Designed and implemented a custom TypeScript-based MCP server to enable secure LLM integration with Walmart's internal APIs, supporting over 25 internal support tools
- Integrated streaming endpoints and custom tools into a Google ADK-based LLM agent for live response comparison against an intern-developed LangGraph agent
- Enabled dual transport (HTTP and SSE) for broader compatibility and system resilience

Applied Computational Robotics Intern | Texas A&M University | College Station, TX

June 2024 - August

2024

- Developed a virtual radar sensor simulation generating synthetic data to support algorithm testing
- Modeled static objects and a dynamic vehicle with realistic movement logic
- Implemented keyboard-based controls to simulate responsive vehicle behavior in a ROS environment

Projects

Walmart Seller Center Support MCP Server

June 2025 - August 2025

- Architected and developed a TypeScript-based MCP server enabling LLM integration with Walmart's internal APIs, supporting 25+ tools for seller support operations
- Designed stateless authentication system using dynamic header injection, eliminating environment variable dependencies and improving security
- Developed comprehensive GraphQL integration layer with tool registration and dynamic API configuration loading

Simulated Radar Sensor Scene

June 2024

Source Code: <https://github.com/ckim115/radar-sensor-scene>

- Simulated radar sensor readings in ROS for validating object detection algorithms using C++
- Displayed simulation through Rviz graphical interface, modeling objects with URDF files
- Transmitted radar data (range, azimuth, elevation, Doppler velocity) as PointCloud format

Firefox Tabs Organizer

April 2024 - May 2024

Source Code: <https://github.com/ckim115/Firefox-Tab-Organizer>

- Developed a toolbar extension that manages tabs with the purpose of minimizing the number on screen with Javascript, HTML, and CSS
- Used Firefox Web API to manipulate tab and webpage behavior, deleting, adding, and bookmarking tabs

SWE Website

September 2024 - December 2024

- Built a website for the Society of Women Engineers club using React, Java, HTML, and CSS, allowing users to add events in the dashboard
- Made RESTful API from Spring Boot
- Integrated MongoDB for data storage

Skills

Languages: Java, Python, Swift, JavaScript, C++

Tools: Git, ROS, GraphQL, VSCode, Eclipse, Renpy, MARS, Xcode