

Kobe Lei

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Education and Training

University of Washington, WA

- B.S in Computer Science; Minor in Data Science
- Seattle Central College (Jun 2025) - Full Time Running Start via Cleveland STEM HS
- Relevant Coursework: Software Engineering, Machine Learning, Technical Writing

Technical Experience

Developer, Yeomann.ai, Hybrid, Seattle, WA | September 2025 – June 2026

- Leading **Yeomann**, an AI startup focused on autonomous agent workflows and business automation, building a full-stack **Next.js + Python** platform with a **context graph**, secure multi-tenant access, and support for **1,000+ integrations with Composio**
- Architecting the **Python AI backend** for proactive, context-graph-driven agents, orchestrating scoped **LangGraph** workflows with persisted execution state, SSE streaming, and **HITL approval checkpoints** for reliable end-to-end autonomous task execution
- Built production infrastructure across **AWS VPCs, Aurora PostgreSQL, ElasticCache, ZeroMQ, and Stripe billing with Terraform**, enabling scalable agent orchestration, subscription and usage-based workflows, secure write-action controls, and low-latency data pipelines for platform growth

Computer Vision Programmer Team Lead, XBOT Robotics, Microsoft, Redmond, WA | July 2023 – Apr 2025

- Developed XTABLES, a centralized embedded system for robotics, enabling real-time communication and improving speed and reliability in competitions.
- Built XDASH, a full-stack instant-response dashboard for deploying AI models and managing **10+** networked embedded systems, reducing deployment time by **80%**.
- Engineered computer vision models and algorithms for object detection and tracking with **95%+** accuracy, enhancing autonomous performance and decision-making in live competitions.

Intern, Computing For All Pre-Apprenticeship Program, Remote, WA | Sep 2024 – Mar 2025

- Completed a **170-hour** certification program focused on full-stack web development, gaining skills in HTML, CSS, JavaScript, and project management.
- Worked on real-world coding projects in team-based environments, mentored by industry professionals, and built a portfolio of work to demonstrate technical skills to future employers.

Projects

ALT | Developed February 2025

- Helped build a Python framework for running many AI agents at the same time, improving multiprocessing efficiency and reducing **GIL-related bottlenecks by 34%** through modular backend design
- Supported development of resource management, monitoring, and logging features for scalable agent concurrency.

AI Vision Pipeline | Developed Jun 2024

- Built a full end-to-end AI vision pipeline in Python, ingesting and processing vision data in real time.
- Designed XTABLES, a data pipeline using **ZeroMQ**, up to **2234%** faster than NetworkTables for transmitting vision data in ML applications.
- Developed XDASH, a GUI dashboard to label, control, and visualize machine learning data and results.

JARVIS | Developed Dec 2022

- Developed JARVIS, an always-listening AI assistant using zero-shot classification to interpret context and perform actions without keywords.
- Integrated control of computer functions and modern smart home devices, enabling seamless hands-free automation.

Moody | Developed Sep 2019

- Built Moody, an AI-powered **verified** Discord security bot with automated anti-raid protection, alt-account detection, and full server control features.
- Scaled to serve **97,000** users with a complete end-to-end dashboard for management, safety, and community engagement.