

Kevin Xiao

425-525-9964 | xckevin@cs.uw.edu | [linkedin.com/in/xckev](https://www.linkedin.com/in/xckev) | xckev.github.io

EDUCATION

University of Washington

Seattle, WA

B.S. Computer Science & B.A. Mathematics | GPA: 3.91 | USACO Gold & AIME Qualifier June 2027

Coursework: Data Structures, Algorithms, Artificial Intelligence, HW/SW Interfaces, Machine Learning, Software Design & Implementation, Computer Security, Systems Programming, Software Tools, Discrete Math

EXPERIENCE

Software Development Engineer Intern

Jun 2025 – Sep 2025

Amazon Web Services

Seattle, WA

- Amazon Connect Flows Team - Summer 2025

Undergraduate Researcher

Jun 2024 – Present

Makeability Lab

Seattle, WA

- Developed an accessible iOS app using SwiftUI, GPT-4 multimodal capabilities, and voice transcription models
- Deployed application for studies with real mixed-vision-ability families to evaluate usability and effectiveness
- Co-authored paper accepted by the IUI ACM conference and incorporated feedback for public deployment

Subsystem Lead

Apr 2024 – Present

Husky Satellite Lab

Seattle, WA

- Collaborated on the HuskySat-2 CubeSat, a low-power satellite for deep space research, set to launch in 2 years
- Developed and optimized C++ star-identification and attitude estimation algorithms for lost-in-space star tracker

Software Engineer Intern

Jun 2023 – Nov 2023

International Children's Education Association

Los Angeles, CA

- Built a web app to help chess players learn tactics and query games from platforms like chess.com and lichess.org
- Developed using Node.js, React, and MongoDB to store and manage 300k+ chess events & player data efficiently

PROJECTS

Sussi | *Next.js, SwiftUI, MongoDB, Llama 4 API*

October 2024

- Placed first out of 200+ participants at Meta LlamaCon '25, competing against top college and full-time talent
- Developed a student laptop monitoring system to give teachers quick classroom insights and automation
- Built a Next.js teacher client and a SwiftUI MacOS student client that interface through MongoDB Atlas
- Integrated early-access LLaMa 4 Scout's multimodal, long-context, structured output, and tool-calling capabilities

Triage | *Next.js, Flask, HTML/CSS, Perplexity AI, SAM 2, REST API, Git*

October 2024

- Placed first out of 1000+ participants at DubHacks '24, the largest hackathon in the Pacific Northwest
- Developed a disaster detection and assessment tool using satellite imagery to prioritize emergency response efforts
- Built with Next.js frontend, Python Flask backend, Intel Tiber hosting, and AWS CloudFormationStack

ClinicChatBot | *Flask, OpenAI API, ChromaDB*

July 2023

- Fine-tuned GPT-3.5-turbo chatbot to specialize in helping clinic website visitors
- Created custom backend API using Retrieval Augmented Generation to reduce hallucination
- Designed and deployed frontend to a local acupuncture clinic to automate processes and minimize costs

CipherBot | *Discord.py, Microsoft SEAL, CoinMarketCap API*

August 2022

- Discord bot with emulation of RSA, mix-networks, and homomorphic encryption deployed to over 500 users

TECHNICAL SKILLS

Languages: Python, Java, C++, C, JavaScript, TypeScript, HTML/CSS, Swift, SQL, MQL, Assembly

Frameworks: Node.js, React.js, Next.js, Express.js, Flask, SwiftUI, Flutter, Bazel, FastAPI, JUnit

Developer Tools: Git, Linux, Amazon Web Services, Google Cloud Platform, Microsoft Azure, Docker, TSLint

Concepts: Machine Learning, Object-Oriented Programming, Web Frameworks, Databases, Full stack, Frontend, Backend, Cloud Computing, Cybersecurity, Parallel Programming, Statistics, Probability, Natural Language Processing