

Andy Khau

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CERTIFICATIONS & TECHNICAL SKILLS

Certifications: AWS Certified Cloud Practitioner, GIAC Foundational Cybersecurity Technologies

Languages: Python, JavaScript, HTML + CSS, Swift

Frameworks: Django, Flask, ReactJS, NextJS, ExpressJS, TailwindCSS

Tools: Git, NodeJS, Docker, AWS S3, AWS CloudFront, AWS IAM, AWS RDS, PostgreSQL

EXPERIENCE

Cofounder & Tech Lead

May 2024 – Oct 2024

OMNI LEARNING

Cerritos, USA

- Cofounded service allowing students to tutor their peers, empowering tutors and clients worldwide, leading all technical roadmaps and managed the development of our core platform.
- Built a Next.js and TailwindCSS frontend for tutor listings, user dashboards, and account management.
- Developed a Django backend with authentication, PostgreSQL ORM, email automation, and booking features.
- Engineered AWS architecture, including S3 objects and CloudFront distribution for user uploads.
- Managed standardized dev environments with Docker.

Frontend Developer

March 2023 – March 2024

PROJECT EMPOWER

Remote, USA

- Worked alongside UI/UX team to bring mock-ups to implementation using React, serving webpages to 200,000+ total users.
- Handled REST API requests from NodeJS backend and MongoDB database for authentication.
- Designed internal tooling and libraries, nearly halving development time for new features.
- Managed team Git repository on GitHub, reinforcing styling standards and code compatibility.
- Led and mentored 8 other frontend developers during Agile SCRUM sprints.

Intern

June 2023 – August 2023

LA METRO

Los Angeles, USA

- Developed AI data processing tools with ChatGPT APIs and Langchain to provide daily insights for LA Metro's 2,320 buses.
- Provided an internal web interface using NextJS and Flask for company use, speeding up data analysis by 60%.
- Led a development team of 14 interns, guiding the direction of technologies and mission priorities.

PROJECTS

Snapsassin | *SwiftUI, UIKit, AVFoundation, CoreImage, Supabase*

Dec 2024

- Developed a social media photo-sharing app for iOS using SwiftUI and UIKit.
- Managed camera functionality and image processing with AVFoundation and CoreImage.
- Implemented phone authentication and object storage with Twilio and Supabase

Web Scraping Bot | *Python, Selenium, PyQt6*

Oct 2022

- Created a web-scraping bot to quickly track, identify, and purchase wine from multiple distributors, fitted with a GUI for consumer ease-of-use

EDUCATION

University of California Santa Cruz

Expected June 2027

Bachelor of Science in Computer Science

Santa Cruz, CA

- **Cumulative GPA:** 4.0/4.0
- **Relevant Coursework:** Data Structures & Algorithms, Linear Algebra, Computer Systems
- **Clubs & Organizations:** UCSC ACM, UCSC Google Developer Groups