

Khai Phan

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SKILLS

- **Languages:** Python, C/C++, JavaScript, TypeScript, HTML/CSS, SQL, Java
- **Technologies:** React, Node.js, AWS, Express.js, Flask, Git/Github, MongoDB, OpenAI API, Angular, MySQL, Kubernetes, Docker, Weaviate, Shopify, Alpine.js, Spring/Spring Boot

EDUCATION

- **Bachelor of Science in Computer Science - GPA: 3.99/4.00, Oregon State University (OSU)** **Expected January 2024**
 - Dean's List/Honor Roll (3+ consecutive years) 2019 - Present

WORK EXPERIENCE

Software Development Intern, Cue Health

June 2023 - August 2023

- Reduced the time to treatment recommendation (in seconds) for customers by 21.7% by implementing multi-select widget answers in the health concierge chatbot
- Enabled thousands of users to efficiently query their subscriptions and orders using product names through the refinement of MongoDB queries in the Java and Spring framework backend
- Enhanced the chatbot's recommendation capabilities by researching, comparing, and integrating three distinct vector databases, ensuring that the best vector database is used to suggest blog posts that align closely with the customer's input

MERN Stack Developer Intern, ShowingGuide

April 2023 - June 2023

- Uncovered and resolved 34 UI/UX issues during comprehensive usability testing, enhancing the overall user experience
- Led the design and architecture of a client dashboard, iteratively incorporating relevant features based on client feedback and needs
- Integrated a client-centric dashboard and API into the web panel, providing seamless support for the entire client workflow

Software Engineering Intern, Garmin

March 2022 - September 2022

- Designed and documented efficient test cases and requirements, resulting in a resolution of 83% of all failing/faulting tests for G2N navigator products
- Constructed fuel buttons and implemented auto-saving and input functionality, enhancing user flows and the overall UX
- Created new fuel onboard capabilities and flyover waypoints, while diagnosing and fixing issues such as excessive waypoints in flight plans, contributing to improved product performance

PROJECTS

Alphone-but-better

- Transformed the frontend architecture by replacing Jinja2 with React and collaborated with team members to re-engineer the Flask backend into a robust API, ensuring seamless compatibility with the new frontend design
- Employed Docker to containerize the project and enhance its maintainability and scalability, encompassing components such as Redis, Stable Diffusion AI image generator, Flask backend, and React frontend
- Elevated the user experience by implementing threaded and background tasks to generate images, communicating with the app via Redis lists and real-time WebSockets (socket.io) notifications
- Conducted both manual and automated end-to-end testing using Jest and React Testing Library to guarantee optimal performance and functionality of all components