Khang Vo

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EDUCATION

University of California, Berkeley   Graduation: 06/2026
Bachelor of Art in Computer Science   Current GPA: 3.7/4.0

RELEVANT COURSEWORK:

Fullstack Development, Data Structures, Discrete Math and Probability, Structure & Interpretation of Computer Science, Computer Architecture, Computer Security, Principles & Techniques of Data Science

CLUB & ORGANIZATION:

10000 Degrees Program, Computer Science Mentors, Computer Science Scholar, Vietnamese Student Association

EXPERIENCE

Software Engineer Intern | *RainDrop* | *Link*   *06/2024 - 08/2024*
- Collaborated with the founder to develop a website aimed at helping students find internships.
- Developed a web scraper in Python using RESTful API to gather data from more than 1,000 job posting sites.
- Optimized the site responsiveness by implementing asynchronous function to accelerate query response time by 80%.
- Employed Firestore and vector database technologies for data storage, result in 40% increase in data volume.

Software Engineer Intern | *Outlier AI*   *04/2024 - 06/2024*
- Trained an AI model using reinforcement learning with human feedback.
- Increased model accuracy by 20% through detailed classification and feedback on over 200 previously generated responses.

Software Engineer Intern | *HealthXChange*   *06/2023 - 08/2023*
- Engineered a backend system for user verification and management of user data.
- Implemented OAuth 2.0 and JWT tokenization to enhance security and protect customer credentials.
- Integrated the FitBit API for secure data transmission following verification processes.

PROJECTS

Letstudy | *Fullstack Website* | *Link*   *03/2024*
- Architected a web application to boost productivity using the Pomodoro Technique, leading to a 25% increase in user engagement and task completion rates.
- Utilized a tech stack including MongoDB, Express, React, and Node.js, resulting in a 50% reduction in development time.
- Enhanced retrieval speed by 70% through asynchronous functions and optimized MongoDB queries, improving overall application performance.
- Developed and executed over 60 integrated tests, achieving a 100% pass rate and ensuring robust site functionality and reliability.

Build Your Own World | *Game Design* | *Link*   *12/2023*
- Generated over 2 billions game maps pseudo-randomly
- Balanced game difficulty by incorporating dynamic elements like fog that reduces visibility and AI entities using Dijkstra's Algorithm to pursue the player.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML, CSS, Scheme, TypeScript, LATEX, C, Assembly, x86, RISC-V, Go, C++
Tools: Git/Github, IntelliJ IDEA, VS Code, Postman, Jupyter Notebook, Linux, Logisim, TCP/IP, UDP, TLS, DNS, DNSSEC, AWS
Frameworks: NodeJS, Express, MongoDB, SQL, Tailwind CSS, Supertest, Nodemon, Mongoose, Config, Joi, NumPy
Other Skills: Native in Vietnamese and English, Backend Developing, Debugging, Integrated Testing, Algorithm, RESTful API, Problem-Solving, Leadership, Communication