




Khang Vo

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EDUCATION

University of California, Berkeley, CA

Bachelor of Art in Computer Science in College of Letter and Science (L&S)

Expect June 2025

Current GPA: 3.75/4.0

RELEVANT COURSEWORK

CS 61A: Structure & Interpretation of Computer Programs (**Python, SQL**), **CS 61B:** Data Structures (**Java**), **CS 70:** Discrete Math and Probability **Data 8:** Foundation of Data Science, **CS 198:** Introduction to Fullstack Development

PROFESSIONAL EXPERIENCE

Health X Change's Intern | *FitBit Authorization Project*

June 2023

- Implemented OAuth 2.0 authorization flows allow registered costumers to share health data without exposing credentials.
- Organized and stored data with Hash-table.
- Processed health data to construct daily heart rate, miles run, and blood pressure graphs.

PROJECTS

The Dungeon | *Game Design*

December 2023

- Built an entire action maze chase video game from ground up by utilizing Princeton and CS61B library.
- Leveraged Java Random Object to generate 2,147,483,647 pseudo-random different maps.
- Implemented an auxiliary board that seamlessly synchronized real-time map events, featuring dynamic updates for fog, diamonds, relay moves, and saved game functionalities on the user interface.
- Built an entity that chase player through the shortest path by Dijkstra's path finding algorithm.

NGordnet | *Data Analyzing*

October 2023

- Improved the retrieving speed by implementing hashmap to replace the previous disjoint sets structure.
- Sorted Google Ngram dataset based on the user inputs.
- Constructed a graph that displayed analyzed result by HTML/CSS.

Chatbot Interface | *Web Design*

July 2023

- Implemented Chat GPT Turbo 3.5 API to construct a generative AI that can response to written conversations.
- Recreated Chat GPT interface using HTML/CSS/JavaScript.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

UC Berkeley Vietnamese Student Association (VSA) | *Executive Intern / Culture Show Producer*

Fall 2022

- Lead and manage 10 independent teams work together to produce a Vietnamese culture show.
- Recruited over 30 board members, 80 performers, and attracted over 700 audience.
- Raised over \$15,000 budget and profit \$6,000 worth of tickets sell.

SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, Scheme, SQL, ES6, C, C++ \LaTeX

Tools: Git/GitHub, IntelliJ IDEA, VS Code

Frameworks: React, Numpy, Panda, Datascience, OAuth 2.0, Figma

Soft skills: Fluent in Vietnamese, problem solving, leadership, effective communications, dedication, and determination.