






# Khang Vo

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 Berkeley, CA

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## EDUCATION

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**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

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

June 2023

- Implemented **OAuth 2.0** authorization flows secure costumer credentials.
- Integrated **FitBit API** which allowed users to transfer their data from Fitbit to our platform.

## PROJECTS

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**Django Blog** | *Web Design*

March 2024

- Designed a fully functional website using **HTML, CSS** and **Django** framework.
- Added login, logout, register and update profile, create and update posts, pagination to improve user experience.
- Implemented admin sites to control posts and accounts.
- Stored data using **SQL** database.

**The Dungeon** | *Game Design*

December 2023

- Designed an exploration 2D game using **Java, Princeton** Library.
- Generated over 2 billions game maps pseudo-randomly.
- Improved user experience by adding load and save current progress, collecting diamonds, and cosmetic themes.
- Maintained the difficulty of the game by adding fog to minimize player view and entities that hunt player through the shortest path by **Dijkstra's Algorithm**.

**NGordnet** | *Data Analyzing*

October 2023

- Search and retrieved information from **Wordnet** dataset based on the user inputs.
- Improved the retrieving speed by implementing **Tree** to replace the previous **Array** structure.
- Constructed a graph that displayed analyzed result by **HTML/CSS**.

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

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**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

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**Languages:** Java, Python, JavaScript, HTML/CSS, Scheme, ES6,  $\text{\LaTeX}$

**Tools:** Git/GitHub, IntelliJ IDEA, VS Code, Postman

**Frameworks:** React, Numpy, Panda, Datascience, OAuth 2.0, Figma, Node.js, Express, Django, MongoDB, SQL

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