

Stephen Su

Berkeley, CA | (786)205-6718 | jingzhisu@berkeley.edu

EDUCATION

University of California, Berkeley

B.A. in Computer Science | B.A. in Applied Mathematics

May 2024

GPA: 4.0/4.0

Relevant Coursework: **CS 61A:** Structure and Interpretation of Computer Programs (Python), **CS 61B** (Current): Data Structures (Java), **MATH 1A:** Calculus I, **MATH 1B:** Calculus II, **MATH 53** (Current): Calculus III, **EECS 16A** (Current): Designing Information Devices and Systems I

PROJECTS

[Poker Bot](#)

Aug. 2022

- Created the game Poker from concept to product using Object Oriented Programming
- Implemented multiplayer on Discord through the use of discord.py
- Designed commands to allow users to interact with the bot on Discord

[WordNet](#)

Nov. 2022

- Implemented a version of Wordnet, a database of semantic relationships between words
- Designed a graph-like data structures to optimize searching efficiency of words
- Developed tools to visualize timelines of any given words in a search query

[Scheme Interpreter](#)

Apr. 2022

- Built an interpreter for Scheme, a dialect of the Lisp programming language, in Python
- Implemented major functionalities from lambda expressions to conditional statements
- Developed tail-recursion optimization to boost efficiency

[Ants](#)

Mar. 2022

- Created a tower defense game based on *Plants vs. Zombies* using Object Oriented Programming
- Utilized Inheritance to design numerous in-game characters

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

CS 61A Academic Intern

Aug. 2022 - Present

- Organized and supervised 20+ students working in weekly lab sections in a programming course
- Developed effective communication skills in explaining computer science concepts

Mu Alpha Theta National Honor Society

Aug. 2017 - May 2021

Curriculum Director

Aug. 2020 - May 2021

- Worked with students in their preparation for math competitions by providing valuable resources to teach competition strategies
- Led the Calculus team to a 3rd place finish out of 68 teams in a regional competition
- Assisted students in weekly tutoring sessions with challenging math problems

SKILLS & INTERESTS

Technical: Python, Java, HTML, CSS, SQL, numPy

Spoken Languages: English, Cantonese, Chinese (Limited), Spanish (Elementary)