

Stephanie Wong

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EDUCATION

University of California, Berkeley

Berkeley, CA

B.A. Computer Science, Minor in Education | GPA: 3.88

May 2024

- **Relevant Coursework:** Algorithms*, Data Structures, Machine Structures, Database Systems*, Computer Security, Designing Information Devices and Systems, Discrete Mathematics (*in progress)

PROJECTS

Gitlet

Java

- Built a version-control-system similar to Git's, programming various commands such as merge, commit, and reset
- Utilized SHA-1 hashing system and serialization to maintain persistence of files throughout program
- Performed tree traversals and used BFS to navigate through commits and merge branches together
- Maintained logarithmic runtime through the utilization of maps and sets and minimum spanning trees

NumC

C

- Developed a simple version of NumPy for performing mathematical and logical operations on arrays and matrices
- Optimized matrix operations using Intel SIMD intrinsics, OpenMP libraries, and cache efficiency tools, attaining 60x speed-up on matrix multiplication and 850x speed-up on matrix exponentiation

Jump

Java

- Built classic two-player KJumpingCube game allowing players to switch between a manual player and AI
- Implemented AI through use of MiniMax algorithm with alpha-beta pruning and game trees

EXPERIENCE

Becoming

Berkeley, CA

Software Engineer Intern

May 2022 - Present

- Creating Assist Class Selection and Recommendation feature from start to end, including customer discovery, UX/UI design, product development, and testing

UC Berkeley EECS Department

Berkeley, CA

Academic Intern

June 2022 - Present

- Teaching 30+ students the fundamentals of computer science in Python including recursion, OOP, and abstraction
- Providing one-on-one assistance to students in lab, homework, and project assignments

Connect@Cal

Berkeley, CA

Operations Associate

Feb 2021 - May 2021

- Provided individual, custom support to 100+ students searching for resources related to personal needs
- Expanded club database by researching clubs and internships pertaining to UC Berkeley students looking for opportunities to further their professional experiences and explore their hobbies and interests

Sunset Neighborhood Beacon Center

San Francisco, CA

Program Leader Assistant

June 2021 - July 2021

- Led children ages 5-10 in art and recreational activities whilst following COVID guidelines and child safety
- Assisted teaching staff in classes to help improve students' academic, physical, and social skills
- Provided individualized support for 2-3 special needs students per class, ensuring equity within activities

SKILLS

Computer Languages: Java, Python, HTML, CSS, Javascript, C, Assembly (RISC-V)

Technologies: Git, Github, Regex, Jupyter Notebook, Postman, NestJS