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*, 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

Engima
Java
- Replicated the WWII German cipher device that encodes and decodes messages by parsing tokens through various permutations
- Utilized HashMaps, Scanners, and ArrayLists to handle string manipulation, file reading, and data processing

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

EXPERIENCE

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*
- Provided keen attention to students with special needs to ensure they received the same opportunities as others
- Assisted teaching staff in classes to help improve students' academic, physical, and social skills
- Led children ages 5-10 in art and recreational activities whilst following COVID guidelines and child safety

Tpumps   **San Francisco, CA**
Barista   *June 2020 - July 2021*
- Handled transactions totaling $1000+ whilst providing positive customer service during periods of high volume
- Memorized popular drink combinations and created custom drinks for 100+ customers per shift

Sunset Church Camptoons Summer Day Camp   **San Francisco, CA**
Camp Counselor   *June 2016 - July 2018*
- Oversaw groups of 25+ students throughout various activities such as ice skating and scavenger hunts
- Prepared 100+ boxes of necessities and gifts for underprivileged kids through Operation Christmas Child
- Supervised 50-60 kids ages 5-16 in Afternoon Extended Care ensuring safety in a large group setting

SKILLS

Computer Languages: Java, Python, HTML, CSS, Javascript, C, Assembly (RISC-V)
Technologies: Git, Github, Regex, Jupyter Notebook, Postman