RACHEL LEE

COMPUTER SCIENCE UNDERGRADUATE

Phone: (925) 989-1451 | **Email:** bokyounglee@berkeley.edu
LinkedIn: https://www.linkedin.com/in/leerach/
Website: rachlee.com

Objective

Dependable and motivated to gain experience in creating solutions and memorable moments in a collaborative community, while also incorporating my passion for technology and adaptability in fast-paced environments.

Education

UNIVERSITY OF CALIFORNIA, BERKELEY – 3.5 GPA   Berkeley, CA | 2019-2023

- Recipient of Regents' and Chancellor's Scholarship (awarded to the top 1% of incoming freshmen)
- **Relevant Coursework:** Algorithms, Discrete Mathematics and Probability, Data Structures, Designing Information Systems
- **Activities:** Association of Women Engineers, Regents' and Chancellor's Scholars Association, Sigma Phi Omega Sorority

Professional Experience

WEB SOFTWARE DEVELOPER – UC BERKELEY SCHOOL OF LAW   Berkeley, CA | February 2020 – Present

- Design and implement front-end development of web applications utilizing primarily PHP, MySQL, HTML, JavaScript and Oracle working with web development team.
- Assist in drafting design documents and documentation for applications while using project management tools to track progress.
- Communicate effectively with faculty, staff, content providers and web application users.

TUTOR – KUMON MATH AND READING   Brentwood, CA | November 2018 – August 2019

- Developed students' confidence by clarifying mathematical and reading concepts and applied effective learning strategies to improve study skills and retention.
- Instructed roughly 50 children daily and specialized in assisting students with learning challenges such as ADHD and autism.

Leadership Experience

FUNDRAISING CHAIR – SIGMA PHI OMEGA SORORITY   Berkeley, CA | January 2020 – Present

- Ideated and managed all fundraising events while creating teams to efficiently delegate tasks and train new members.
- Raised about $1,000 and utilized cost-effective methods and materials to increase profit margins and maintain a consistent 500-600% return.
- Worked in highly publicized school events and populated areas, interacting with thousands of students to promote engagement and activity during recruitment, fundraising, and awareness events.

GROUP LEAD VOLUNTEER – UC BERKELEY GIRLS IN ENGINEERING   Berkeley, CA | July 2018

- Encouraged roughly 60 young middle school girls to explore different fields of engineering by building 3D printed prosthetic hands, explaining practicalities of self-driving cars and demonstrating creative projects of biomimicry.
- Resolved conflicts among team members and worked with female graduate students and professors to share insight of experiences in the STEM career field and progress of their current research projects and labs concentrating on artificial intelligence.

Skills

Java
Programmed multiple projects utilizing game trees, hashing, and advanced sorting algorithms and also developed software for autonomous robot.

Python
Implemented tree recursion and data abstraction to simulate functional games.

SQL / MySQL
Constructed database tables by retrieving and manipulating data to create a enrollment management system.

PHP
Programmed data comparison systems integrated with PHP forms and webservers to develop dynamic web pages.

CSS / HTML
Constructed and personalized a website integrated with Google Analytics to track activity.

OpenCV
Optimized color and shape detection in phone camera to enhance object recognition and communication with external sensors.