RACHEL LEE

COMPUTER SCIENCE UNDERGRADUATE

Phone: (925) 989-1451 | **Email:** bokyounglee@berkeley.edu
LinkedIn: https://www.linkedin.com/in/leerach/
Website: rachlee.com
Address: 2401 Durant Avenue, Berkeley, CA 94704

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 – GPA: 3.5   Berkeley, CA | 2019-2022

- Recipient of Regents' and Chancellor's Scholarship
- *Activities:* Regents' and Chancellor's Scholars Association, Sigma Phi Omega Fundraising Chair

HERITAGE HIGH SCHOOL – GPA: 4.2   Brentwood, CA | 2015-2019

- *Activities:* Robotics Club FTC Team 3470 President, RC Car Club, MIT Launch Club, Varsity Tennis Captain, National Honor Society, California Scholarship Federation

Professional Experience

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

- Design and implement web applications utilizing primarily PHP, 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

PRESIDENT – ROBOTICS CLUB FTC TEAM 3470   Brentwood, CA | August 2018 – June 2019

- Managed engineering notebook, outreach events, build sessions, and mechanical and software engineering of robot.
- Created budget plans, handled finances, and fundraised over $5000 throughout the team's season.
- Efficiently delegated tasks among team members and fostered a collaborative, learning environment.
- Won the FTC Control Award at Folsom tournament for most accurate and consistent autonomous programs and sensors.

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

- Encouraged about 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 while also visiting facilities such as the BAIR Lab.

Skills

Java
Developed software for autonomous robot using Android Studio.

OpenCV
Optimized color and shape detection in phone camera to enhance object recognition.

SQL
Constructed simple database tables by retrieving and manipulating data.

Python
Created multiple projects utilizing tree recursion and data abstraction.

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

Scheme
Programmed a scheme interpreter in python with tail recursion optimization, lazy evaluation, and streaming.