
Raymond L. Guo

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EDUCATION

University of California, Berkeley - Berkeley, CA

AUGUST 2017 - PRESENT

Bachelors of Science, Electrical Engineering and Computer Sciences

GPA: 3.925

Coursework: Data Structures (CS61B), Structure and Interpretation of Computer Programs (CS61A), Designing Information Devices and Systems I & II (EE16A and EE16B), Multivariable Calculus (MATH53), Physics for Scientists and Engineers (PHYS7B), Chemical Structure and Reactivity (CHEM3A), Unix System Administration, Introduction to Virtual Reality, Blockchain Fundamentals

EXPERIENCE

Eta Kappa Nu (HKN) Honor Society, Berkeley, CA - Tutoring Committee Member

MARCH 2018 - PRESENT

- Top 25% of the Electrical Engineering and Computer Science class at UC Berkeley with junior standing.
- Organizing and coordinating review sessions and tutoring videos for lower division EECS courses, including CS61A and EE16A.

UC Berkeley CS Department, Berkeley, CA - Academic Intern

JANUARY 2018 - PRESENT

- Member of the course staff for CS61A (Structure and Interpretation of Computer Programs).
- Teaching students during lab sections, and holding office hours for additional tutoring.

UC Berkeley CodeBase, Berkeley, CA - Software Developer

AUGUST 2017 - PRESENT

- Developing an administration portal for Beam, a fintech company focused on providing banking services with 2-4% APY. Using React, TypeScript, and Apollo GraphQL.
- Built a responsive web application for clubs across campus to easily manage and evaluate hundreds of applications through an intuitive interface with categories, user assignments, ratings, and comments. Used HTML/CSS, JavaScript, Ajax, and Django framework.

BidBox LLC, Bethesda, MD - App Developer

JUNE 2017 - JULY 2017

- Collaborated closely with CEO and founder of the startup, coding and marketing an educational, language-learning mobile app with Android Studio.
- Currently on the Google Play Store: *Count to Ten - International Numbers*

National Institutes of Health, Bethesda, MD - Research Intern

MAY 2016 - MAY 2017

- Implemented bioinformatic tools such as Galaxy, Cufflinks, and TopHat to determine impacts of puromycin selection on gene expression levels in human red blood cells.
- Authored published research paper: *Puromycin Selection Confounds the RNA-Seq Profiles of Primary Human Erythroblasts (2017)*

University of Maryland, College Park, MD - Research Intern

JUNE 2015 - AUGUST 2015

- Analyzed Landsat data and images to determine the different types and amounts of land cover and vegetation dynamics throughout the United States.

SKILLS

- Proficient in Java, Python, HTML, CSS, JavaScript, MATLAB, Unix shell scripting, Scheme, SQL.
- Worked on multiple projects that include building both web and mobile applications.
- Experience in leadership, organization, and communication, leading many organizations in high school, such as being Debate Team Captain, Math Honors Society Director, and Envirothon Team Co-Founder. Served as US Team Leader for the international volunteering group Youth Building Bridges.

AWARDS AND CERTIFICATES

- Oracle Certified Associate, Java SE 8 Programmer
- Member of Tau Beta Pi (TBP) Engineering Honor Society
- 2018 UC Berkeley Dean's Honor List (Top 10% of engineering class at UC Berkeley)
- 2017 Cal Alumni Association Leadership Award
- 2017 Semifinalist, Regeneron (formerly Intel) Science Talent Search