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, Structure and Interpretation of Computer Programs, Designing Information Devices and Systems I & II, Multivariable Calculus, Physics for Scientists and Engineers, Chemical Structure and Reactivity, Unix System Administration, Introduction to Rails, Blockchain Fundamentals

EXPERIENCE

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.

LiT, San Francisco, CA - *Developer*   SEPTEMBER 2017 - PRESENT

- Designing a talent-showcasing social media app, where users are able to live-stream their talents, receive donations, enter into monthly competitions.
- Working with Android Studio and Firebase to code both the front-end and back-end of the mobile application.

UC Berkeley CodeBase, Berkeley, CA - *Software Developer*   AUGUST 2017 - PRESENT

- Building 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.
- Using HTML/CSS, JavaScript, Ajax, and Django framework. Collaborating in a 10-person group with Git version control.

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)*

MBHS Robotics Team, Silver Spring, MD - *Engineer*   SEPTEMBER 2013 - MAY 2017

- Built robots to compete in annual national and international FIRST robotics competitions.
- Member of Mechanics subteam and CAD subteam, working with AutoDesk Inventor to design the parts of the robot before implementation.

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

- 2017 Cal Alumni Association Leadership Award
- Oracle Certified Associate, Java SE 8 Programmer
- 2017 Semifinalist, Regeneron (formerly Intel) Science Talent Search