

Raymond Guo

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EDUCATION

University of California, Berkeley

B.S. Electrical Engineering and Computer Science | Expected Graduation May 2021

GPA: 3.906/4

Relevant Coursework: Efficient Algorithms and Intractable Problems, Data Structures, Computer Security, Database Systems, Machine Structures, Principles and Techniques in Data Science, Operating Systems and Systems Programming (current), Artificial Intelligence (current)

SKILLS

Languages: Java, Python, C, JavaScript, HTML/CSS, SQL, Scheme

Frontend: React, Vue.js, jQuery

Backend: Django, Rails, Node.js, GraphQL + Apollo Client, Firebase, Android Studio

AWARDS

Eta Kappa Nu, Officer

Jan 2018 – Present

Tutoring officer for national EECS honor society. Organize review sessions and hold office hours for undergraduate EECS courses.

UC Berkeley Dean's Honors List

Fall 2017, Fall 2018

Overall GPA and semester grades in top 10% of all College of Engineering undergraduates.

Cal Alumni Association Leadership Award

August 2017

Recognized for international volunteering efforts to teach impoverished Chinese students computer science.

Regeneron Science Talent Search Scholar

January 2017

Recognized for research at the National Institutes of Health and publication detailing the effects of puromycin selection on the transcriptomes of human erythroblasts.

EXPERIENCE

Software Engineer Intern

May 2019 – Aug 2019

Lucid Software (LucidChart)

- TBD
- TBD
- TBD
- TBD

Project Manager

Sep 2017 – Present

Berkeley CodeBase

- Student organization that builds industry experience by creating software products for Bay Area startups.
- Lead teams of software developers to build full stack web applications (plasmid map visualization tool, transaction management portal) for Zymergen and Beam Financial.
- Django, React + Redux, PostgreSQL, GraphQL, AWS S3 + Cognito.

Undergraduate Student Researcher

Jan 2019 – May 2019

UC Berkeley Molecular Cell Biomechanics Lab

- Built computational pipeline to assemble, annotate, and analyze the raw DNA reads of the human gut metagenome.
- Simulated metabolite compositions over time in Crohn's disease patients to test potential cures and diets.

Network Engineer Intern

May 2018 – Aug 2018

Johns Hopkins University Applied Physics Laboratory

- Built collection of Python, Bash, and Tcl/Expect scripts to automate configuring and managing over 800 switches and access points.
- Expanded APL's private network throughout campus shuttles with mobile routers, firewalls, and access points.

PROJECTS

CommuniTeam

Rails + HTML/CSS/JS + React

www.meet-my-communiteam.herokuapp.com

- Team communication web application that allows for collaboration across multiple channels, with company announcements, group posts, and personal notes.
- Collaborative calendaring implemented with FullCalendar and Google Calendar API.

Count to Ten

Native Android (Java + Android Studio)

Google Play Store: Count to Ten – International Numbers

- Android application that teaches users how to count in 25 different languages with timed games.
- Read-aloud features implemented with Android Text-To-Speech API.