Raymond **Guo**

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www.raymondguo.me

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 (IP), Artificial Intelligence (IP)

SKILLS

Languages: Java, Python, C, JavaScript + TypeScript, HTML/CSS, SQL

Frontend: React, Angular, Redux, Vue.js, jQuery

Backend: Django, Rails, GraphQL, Firebase, AWS, Node.js

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)   (Angular + TypeScript + Jasmine)

- Build and test new core experience features into the Lucidchart and Lucidpress diagramming editors used by over 20 million users.
- Design and develop new digital whiteboarding capabilities including collaborative cursor tracking, sticky noting, and infinite canvas.

Software Project Manager
Sep 2017 – Present

Berkeley CodeBase   (React + GraphQL)

- Leading a team of developers in a software consulting organization that builds products for high-growth Bay Area startups.
- Worked closely with the CTO of Beam Financial to develop a full stack management portal for employees to securely track and edit customer accounts and financial transactions.

Full Stack Developer
Aug 2018 – Dec 2018

Zymergen   (React + Django + Postgres)

- Built a plasmid visualization full stack web application for scientists to upload, view, and compare DNA sequences and structures.
- Developed a custom translator to convert between stored binary DNA specifications and a self-designed JSON format to visualize plasmid architecture.

Network Engineer Intern
May 2018 – Aug 2018

JHU Applied Physics Laboratory   (Python + Bash + Tcl)

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

PROJECTS

CommuniTeam
(React + Rails)

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
(Java)

Google Play Store: Count to Ten – International Numbers

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