RAYMOND LIN

EDUCATION

University of California, Los Angeles - *Computer Science, BS*   *Sep 2017 - Jun 2021 (Expected)*

Cumulative GPA: 3.5 out of 4.0 (Dean's List - Winter 2020, Spring 2020)

Major GPA: 3.8 out of 4.0

SUMMARY OF SKILLS

- **Programming Languages:** Python, JavaScript (TypeScript, Node.js), C++, Java
- **Other:** SQL, Express.js, HTML/CSS, Angular, Git, Docker, AWS (Lambda, Elastic Beanstalk, DynamoDB)

PROFESSIONAL EXPERIENCE

Tesla - *Software Engineer Intern*   *Sep 2020 - Present*

- Working on the Supply Chain Automation team to build web apps that reduce costs and speed up work on the Tesla supply chain
- Improved Python REST APIs by optimizing database search queries and writing unit tests
- Implemented an algorithm to increase the probability of successful chargebacks

Logos News LLC - *Software Developer Intern (Web)*   *Jul 2020 - Sep 2020*

- Developed features for an Angular-Firebase web app that serves as a news media platform with hundreds of users
- Designed the database schema and algorithms for a weighted user endorsement system
- Full-stack development of a subscriber payment system using the Stripe API and Express

Change SSF - *Volunteer Software Developer (Web)* ⍾   *Jun 2020 - Sep 2020*

- Helped a local nonprofit organization to build a web-based data visualization tool, that shows local police dispatch locations and counts, using Node, Express, Angular, and PostgreSQL
- Designed and deployed infrastructure for the application using AWS Lambda and Elastic Beanstalk
- Wrote web scrapers that parsed over 1000 police media bulletin pdfs from the local city website

Planetary Gaming - *Software Developer Intern (Unity/C#)*   *Jan 2019 - Jun 2019*

- Developed features and wrote C# scripts for NovaSnake, an AR endless-runner game, using Unity

PROJECTS

StudyB - *Backend Team Lead*   *Jan 2020 - Jun 2020*

- Developed the backend of a mobile app that allows students to browse available study rooms in real time
- Led the team to reduce backend API calls by redesigning the database schema on AWS DynamoDB

Incognito ⍾   *Sep 2019 - Dec 2019*

- Developed an anonymous forum web app for college students, using Ruby on Rails
- Implemented various scaling techniques including vertical/horizontal scaling, client/server-side caching, threads/processes optimizations, supporting over 2x more simultaneous users

ACTIVITIES

Learning Assistant - *Campus Program*   *Jan 2020 - Jun 2020*

- Led discussion sections of over 20 students in an introductory data structures course