

RODGER LEE

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EDUCATION

University of California, Los Angeles

B.S. in Civil and Environmental Engineering
Technical Breadth in Computer Science

GPA: 3.715

- Chi Epsilon Honor Society, Fall '19
- UCLA (2018-2019) Kimberley E. & Allen M. Yourman Jr. Endowed Scholarship in Engineering
- Alhambra Cathay Bank Distinguished Scholar

LANGUAGES

C++, C
MATLAB
Python
JavaScript
HTML /CSS

TECHNOLOGIES

MongoDB, mongoose,
Node.js, Express.js, React,
Bootstrap, Jquery, Dash,
React Native, Linux

COURSEWORK

- Object-Oriented Programming (C++)
- Data Structures (C++)
- Computer Organization (C)
- Operating System Principles
- Web Development (MERN stack)
- Algorithms and Complexity
- Database Systems

ACTIVITIES

Ambassador (2018 - Present)

UCLA Engineering Ambassadors

Project Manager (2018 - 2019)

American Society of Civil Engineers (ASCE) at UCLA - Seismic Design Team

External Vice President (2019 - 2020)

Earthquake Engineering Research Institute (EERI)

PROFESSIONAL EXPERIENCE

Amazon, Incoming Software Development Engineer Intern
Seattle, WA

June 2021 – Aug. 2021

Gottlieb Neuro, Data Science Intern
Santa Monica, CA

June 2020 – Nov. 2020

- Developed a Dash.plotly python web dashboard application, used by 4 clinics with 50+ patients, to help clinicians and patients better understand their clinical progress and health improvements
- Scripted 20+ scoring algorithms to provide 20+ types of graphical data based on proven psychological surveying methods
- Utilized AWS s3 and boto3 for data storage and reading, and deployed with Heroku
- Built Python scripts to parse and automate patient data storage from Google Drive into AWS and local storage

Juni Learning, Computer Science Instructor
Los Angeles, CA

Nov. 2020 - Present

- Taught Python, C++, and Scratch and fundamental computer science topics including object-oriented programming, data structures, and algorithms

PROJECTS

emacsnacs

- Built a multipage mobile recipe app in React Native, Typescript/Javascript, Node.js, Express, MongoDB.
- Users can do complex search for recipes, store personal pantry items in lists, organize favorite recipes, and fetch random recipes of the day using SpoonacularAPI.

ToDoList - <https://todolist-a-p-p.herokuapp.com/>

- Built a website that allows users to create an account, add and manage tasks and lists, see overdue items, etc.
- Implemented REST API for managing all users' posts using Node.js, Express.js, and MongoDB
- Designed interface, flexible navbar/sidebar, and front-end using Bootstrap, HTML, CSS, JavaScript

Goober Eats (C++)

- Built a delivery logistics system that loads and indexes open street map geospatial data to produce delivery plans and navigation instructions