

RODGER LEE

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EDUCATION

University of California, Los Angeles

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

Expected June 2021 GPA: 3.654

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

SKILLS/SOFTWARE

C++	● ● ● ● ● ●	AutoCAD
MATLAB	● ● ● ● ●	Bluebeam
Python	● ● ●	Navisworks
JavaScript	● ● ●	Sketchup
HTML /CSS	● ● ●	Microsoft Office

COURSEWORK

Completed:

- Introduction to Programming (C++)
- Data Structures (C++)
- Introduction to Computer Organization (C)

Upcoming:

- Algorithms and Complexity
- Software Construction Laboratory
- Web Development (React, Angular, MongoDB)

PROJECTS

Goober Eats

C++ item delivery application

Finds an approximate shortest delivery route ("Traveling Salesman") based on input delivery addresses.

Kontagion

C++ classic arcade-style shooting game

User controls avatar "Socrates" with real-time key inputs to tackle each level

PROFESSIONAL EXPERIENCE

Virtual Design Construction Engineering Intern.

June 2019 - September 2019

Charles Pankow Builders Ltd., Pasadena, CA

- Operated building information modeling (BIM) coordination meetings with trades involved with construction, closed out RFIs and oversaw construction deliverables
- Applied BIM 360 techniques such as laser scanning and VR/AR modeling to support self-performing concrete build team. Utilized Navisworks, Sketchup, FARO Scene, AutoCAD, and Revit, to review and evaluate ongoing projects

Ambassador

August 2018 - Present

UCLA Engineering Ambassadors, Los Angeles, CA

- Provided campus tours for prospective UCLA Engineering students and assisted in recruiting processes
- Served as liaison for Samueli Engineering by hosting professional events and facilitating seminars

General Civil Engineering Intern

March 2017 - June 2018

Jong Chen Engineering, Rosemead, CA

- Assisted Lead Structural/Geotechnical engineer with AutoCAD structural floor plans, site plans, and architectural elevation drafting
- Completed Water Quality Treatment Plans for projects located in Orange County through understanding of city code compliance manuals and underground infiltration systems.

ACTIVITIES

Project Manager (2018-2019) | CAD Design Lead (2017-2018)

March 2018 - Present

Earthquake Engineering Research Institute (EERI) Seismic Design Competition

- Designed and constructed a five-foot balsa wood tower with SketchUp and CAD and lead construction team of 50 students in schedule management and quality control. Achieve top 4 internationally three years in a row

External Vice President (2019-2020) | Secretary (2018-2019)

August 2018 - Present

EERI Student Chapter

- Organized Friedman Visiting Lecture, and worked to connect 100 students to professional members of EERI