

Samuel Shen

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OBJECTIVES:

I am a highly motivated second year computer science student looking to gain hands-on work experience in software engineering through internships.

EDUCATION

University of California, Los Angeles (Expected: Dec. 2022)

Grade: 3.803

B.S.E. Computer Science

- Clubs and Activities: ACM, Creative Labs, DevX
- Relevant Coursework: Multivariable Calculus, Discrete Mathematics, Data Structures & Algorithms, Computer Organization, Software Construction Laboratory, Advanced Linear Algebra, Digital Systems Design

WORK EXPERIENCE

Logos News LLC

Los Angeles, CA

Full Stack Intern

Jan. 2020 - Apr. 2020

- Full stack engineering intern working with AngularJS and Firebase
- Implemented responsive navigation bar on mobile devices using ElasticSearch and Bootstrap
- Restructured main news feed
- Optimized app by refactoring code to lower web page load times by 20%
- Gained experience working in remote teams using GitLab

Computer Vision Researcher @ UCLA

Sept. 2019 - Mar. 2020

Part Time

- Researcher at the Vision, Cognition, Learning, and Autonomy lab supervised by PhD candidate Tengyu Liu and Dr. Song-Chun Zhu
- Worked on 3-D part annotations; wrote JSON objects and stored data in MySQL
- Wrote Python scripts to increase efficiency of annotating large datasets

PROJECTS

Spotify.Random

- Worked on web app that generates music recommendations in a user friendly way (UCLA Creative Labs)
- Communicated back and forth with design team to implement animation ideas
- Helped develop frontend using ReactJS and React Bootstrap
- Set up backend server authentication using Firebase and the Spotify API

Food Delivery Navigation

- Wrote a turn-by-turn C++ GPS navigation program to guide food deliveries
- Implemented A* search algorithm to find the shortest possible routes between streets
- Used a simulated annealing algorithm to optimize delivery routes between different locations

NFL Stats

- Created a web-application using HTML/CSS, Javascript, and jQuery to track the statistics of teams in the current NFL season
- Utilized the SportsData API to gather and display the data in real time

SKILLS

- ❑ **Programming Languages:** C++/C, Python, Javascript, HTML/CSS, Bash
- ❑ **Other Tools/Frameworks:** Git/Github, React, Bootstrap, jQuery, Linux, NumPy, Matplotlib, Firebase, Amazon Web Services (AWS)