

DANIEL HO

hsiaotuh@usc.edu
San Francisco, CA

EDUCATION

University of Southern California | Los Angeles, CA
Bachelor of Science in Computer Science | Minor in Linguistics

Expected May 2020

- GPA – 3.90
- Data Structures, Algorithms, Software Engineering, Artificial Intelligence, Computer Architecture, Operating Systems

EXPERIENCE

Facebook | Seattle, Washington

May 2019 – Present

Software Engineering Intern

- Fullstack Engineering on Messenger Infrastructure team
- Designed and implemented a new Post Processing Procedure on a Core Messenger Storage and Delivery Service.
- Conducted metrics logging and production roll-out monitoring.

Salesforce | San Francisco, CA

May 2018 – August 2018

Software Engineering Intern

- Engineering Software for Accounts Team under Sales Cloud.
- Full Stack development of a Live Visual Content Streaming Service for high velocity sales operations. Programming backend data integration APIs and link generation algorithms in Java, and stream handling through Twilio and webRTC in JavaScript. Frontend Salesforce integration in MVC framework Aura.

NASA Jet Propulsion Laboratory | Pasadena, CA

October 2017 – May 2018

Artificial Intelligence and Deep Learning Research Intern

- Developed a TensorFlow Convolutional Neural Network for sound detection rate in noisy environments. Compiled and synthesized a large dataset of sound clips. For direct application in a Firefighting AI.
- Programmed a set of tooling scripts to build environments, automate training, and provide analytics.

USC Viterbi Course Producer | Los Angeles, CA

August 2018 – Present

CSCI 170: Discrete Methods in Computer Science

- Undergraduate teaching assistant in Discrete Mathematics. Hold office hours, grade coursework, and assist discussions.

PROJECTS

Echo | Stanford Treehacks Winner

June 2017 – Present

- A fully anonymous and decentralized support platform to connect and enable sexual harassment survivors to take action. Built with Node.js on top of the Blockchain network, written and rendered with React.

Roadtrip

August 2017 – December 2017

- Worked on a desktop application project that allows users to create and share traveling itineraries in Google Maps. Built backend Java server for authentication and MongoDB interfacing, and housed through an Electron desktop app.

donutdaniel.github.io | github.com/donutdaniel

SKILLS

C | C++ | Java | JavaScript | Python | HTML/CSS | PHP | Hack
UNIX/Linux | Node.js | Express.js | Angular | React | jQuery | SQL | Git

AWARDS

USC Viterbi School of Engineering Dean's List | USC Academic Achievement Award | QuestBridge National Scholar

ORGANIZATIONS

HackSC

- Director of Technology and Logistics at USC's premier hackathon. Led engineering efforts to develop platforms and tools from the ground up. Projects include our application portal, website, judging system, and live dashboard used on the day of the event. Facilitated logistics and operations by coordinating transportation and schedule.

Trogons A Cappella

- East Asian A Cappella performances. Director of Promotions and External Relations.