

# DANIEL HO

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(415) 744-2916  
San Francisco Bay Area

## EDUCATION

**University of Southern California** | Los Angeles, CA

Expected May 2020

*Bachelor of Science in Computer Science*

- GPA – 3.90
- Data Structures, Algorithms, Software Engineering, Artificial Intelligence, Computer Systems, Digital Circuits

## EXPERIENCE

**Salesforce** | San Francisco, CA

May 2018 – Present

*Software Engineering Intern*

- Engineering software for Accounts and Pipeline Team under Sales Cloud
- Developing a live visual content sharing service for High Velocity Sales operations. Programming backend file rendering, database interfacing, and link generation algorithms in Java and peer-to-peer stream handling using Twilio and webRTC. Frontend components built with Aura framework.

**NASA Jet Propulsion Laboratory** | Pasadena, CA

October 2017 – May 2018

*Artificial Intelligence and Deep Learning Research Intern*

- Developed a TensorFlow Convolutional Neural Network with over 90% successful sound detection rate in noisy environments. Compiled and synthesized a large dataset of sound clips extracted from public research such as Google AudioSet. For direct application in a Firefighting AI.
- Programmed a set of tooling scripts to build environments, automate training, and provide analytics.

## PROJECTS

**BotBuilder**

June 2017 – Present

- Created a chatbot creation platform. Users can build, save, and deploy their own chatbot using a locally authenticated online system. The chatbot is programmed and visually represented as a directed graph, featuring an endless number of language pathways accessed through natural language processing or explicit selections.

**Roadtrip**

August 2017 – December 2017

- Worked on a desktop application project that allows users to create and share traveling itineraries in Google Maps. Users can add and remove points of interest, collaborate in real-time, and publicly share their itinerary. Built backend Java server for authentication and MongoDB interfacing, and home page on Electron desktop app.

[donutdaniel.github.io](https://donutdaniel.github.io) | [github.com/donutdaniel](https://github.com/donutdaniel)

## SKILLS

C | C++ | Java | JavaScript | Python | HTML/CSS  
Node.js | Express.js | jQuery | SQL | Git

## AWARDS

USC Viterbi School of Engineering Dean's List | QuestBridge National Scholar | Dong Lieu Memorial Science Prize Recipient

## ORGANIZATIONS

**Makers**

- Computer Science and Electrical Engineering hobby club. Build engineering projects in a team setting; Built an amplified speaker system with Aux and Bluetooth switching capabilities.

**Trogons A Cappella**

- East Asian A Cappella performances. Director of Promotions.