

# Tommy Truong

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## EDUCATION

**Bachelor of Science, Computer Engineering**  
*University of California, San Diego; GPA: 3.0*

**September 2014 - December 2017**

## EXPERIENCE

### Software Engineering Intern

**September 2017 - Present**

*Red Door Interactive, San Diego, California*

- Developed a full-stack internal budget visualization tool with **AWS Lambda, S3, Vue.js, D3.js** and **jQuery.js**
- Identified golf wedge fitting and purchasing behaviors using **Python, Pandas, Seaborn** and **Jupyter**
- Spearheaded first machine learning hackathon and workshops using the **Amazon Machine Learning** platform

### Web Development Intern

**June 2017 - September 2017**

*Red Door Interactive, San Diego, California*

- Developed a **JavaScript** API wrapper to import data from multiple RESTful APIs via Domo's Connector API
- Created and executed requirements gathering for internal budget visualization tool using **Jama, D3.js** and **Sass**

### Programmer and Information Technology Assistant

**May 2016 - September 2017**

*Cardiac Mechanics Research Group, UCSD Bioengineering Department, San Diego, California*

- Redesigned lab's responsive CMS website for lab tutorials with **Django** and **Bootstrap** in a team of 2
- Developed 73% accurate LSTM neural network in **TensorFlow** predicting cardiac arrhythmia in a team of 2
- Reduced cardiac electrical activity rendering time by 80% with **Python, Unix jobs** and **GPU clusters**

## PROJECTS

### TasteBuds

**October 2017 - October 2017**

*SD Hacks, San Diego, California*

- Led team of 4 to demo restaurant recommender app using most user-related Yelp categories via genomic data
- Selected to fully develop service in collaboration with Awaken's software engineering team
- Made with **Flask, Google Maps, Yelp, Awaken's GenomeLink API**

### San Diego Crime and Streetlights

**March 2017 - June 2017**

- Led team of 5 in analysis and visualization of street lamp density and crime rate in San Diego neighborhoods
- Made with **Jupyter, Folium, SciPy, NumPy, Pandas** and **Matplotlib**

## SKILLS

**General:** Object-oriented programming, Java, Python, C++, Git, UML, Unix, Agile, Functional programming

**Data Science:** Jupyter, NumPy, Pandas, SciPy, SQL, Seaborn, TensorFlow, Keras

**Web:** HTML, CSS, JavaScript, Node.js, Vue.js, AWS, Sass, D3.js, jQuery.js, Flask, Angular.js, MVC, Django, Bootstrap

## LEADERSHIP

### Operation Santa Chair

**December 2016 - December 2017**

*Alpha Phi Omega, San Diego, California*

- Provided **120 underprivileged families** with food, clothing and toys donation in a team of 4
- Coordinated fundraisers, gift-wrapping workshops and deliveries with over 80 participants and several campus organizations