

Tommy Truong

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EDUCATION

Bachelor of Science, Computer Engineering

September 2014 - December 2017

University of California, San Diego

GPA: 3.0

General Coursework: Software Engineering, Data Structures, Algorithms, Operating Systems, Computer Architecture, Database System Principles, Usability and Information Architecture, Parallel Computing, Engineering Probability and Statistics, Successful Entrepreneurship

Data Science: Neural Networks and Deep Learning, Web Mining and Recommender Systems, Search and Reasoning, Statistical Artificial Intelligence, Data Science in Practice

EXPERIENCE

Software Engineering Intern

September 2017 - Present

Red Door Interactive

San Diego, California

- Developed 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

- 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

Personal Portfolio

February 2018 - Present

- Developed responsive website (tommy-truong.com) with **HTML, CSS, JavaScript** and **Google Analytics**
- Updating to a **Jekyll** blog to showcase project portfolio, software engineering experiences and opinions

TasteBuds

October 2017 - October 2017

SD Hacks

San Diego, California

- Implemented back-end for 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**

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 5 campus organizations

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, MVC, Django, Bootstrap