

Ryan Louie

(408) 489-0407 | ryanlouie95@gmail.com | <https://ryanxlouie.github.io/>

EDUCATION & SKILLS

University of Southern California

May 2017

Bachelor of Science Electrical Engineering, Emphasis in Computer Engineering

Major GPA: 3.6/4.0

Technical Skills

Languages: Advanced – Javascript, React, Express
 Intermediate – Vue
 Beginner – Python

EXPERIENCE

Northrop Grumman

July 2018 – Current

Full Stack Software Developer II

- Designed, built, and deployed a fully integrated change request application.
 - Utilizes Gitlabs CI/CD pipeline for automated testing and build creation.
 - Jest for integration and unit testing.
 - RESTful API with Swagger file for documentation.
 - Worked closely with end users and upper management to develop a flexible architecture to support multiple builds for various programs.
- Helped develop the backend for a photo classification tool to aid in hardware validation and testing.
- Developed the frontend for a data set visualization tool.

Northrop Grumman

July 2017 – July 2018

Electrical Engineer I

- Created a beta web application to manage satellite command changes.
- Helped revise over 250 electrical design diagrams.

Department of Defense – USAMRIID

June 2016 – August 2016

Software Development Intern

- Created custom Python scripts to automate data manipulation and analysis tasks.
- Designed interactive Python GUIs for human metabolomics research and liquid handling data entry.

LEADERSHIP & ACTIVITIES

Market Dashboard

January 2020 – Current

- Created a simple dashboard to display market data from a variety of online resources.

Stock Trading Algorithm Development

August 2018 – Current

- Developing algorithms that utilize a variety of technical indicators to predict short term stock movements.

Alpha Phi Omega - Professional Service Fraternity

February 2014 – May 2017

President

- Maintained website and updated various features to increase accountability.
- Volunteered 60+ hours mentoring children at Jordan Downs Housing Project in Watts.

HOBBIES: Volleyball, Technical Stock Analysis, Volunteering