Ryan Louie

(408) 489-0407 | ryanloui95@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