

Andrew T Li

Phone: (201) 519-7208 | Website: <https://atl043.github.io/> | Email: andrewfourli@gmail.com | Github: /Atl043

Summary of Qualifications

Experience working in Windows and Linux environments. Work effectively within a team as well as independently in a agile software development process. Has a strong background in developing software applications and using Git or similar version control system shown through work experience and numerous projects. Takes control of own work and expands own contribution to projects shown by work experience.

Education

University of California San Diego
B.S. in Mathematics & Computer Science

Anticipated June 2019

Technical Skills

LANGUAGES

Java, C#, Python, SQL, HTML5, CSS, XML, JavaScript, ReactJS, C++, C, MATLAB, PHP

KEY PROGRAMMING CONCEPTS

Object-Oriented Programming (OOP), Data Structures and Algorithms, Operating Systems, Agile, Data Science, Git

Work/Internship Experience

Software Engineer Intern | L3T – Telemetry and RF Products West (June – September 2018)

Contribute Development Web API of InControl a Satellite Command and Control Software

- Used both ReactJS and Java to develop the InControl Web API
- Programmed Restful API to retrieve JSON objects and parse through them to display on Web Interface
- Worked in an Agile software development process and participated in daily scrums and code review sessions
- Developed using Bitbucket, a web-based version control system using Git
- Implemented new features for OnTime, a scheduling web application, done in JavaScript and ReactJS

Software Engineer | Chen Laboratory at Nanoengineering Dept of UC San Diego (November 2016 – Present)

Lead developer for an end-to-end web-based application to manage 3D Bio-printers in the lab.

- Gathering requirements from Ph.D. graduate students to enable them configuring their Bio 3D printing projects and monitor live tissue health.
- Engineered 3-tiered architecture for this application. Developed frontend Web interface using React JS. Designed MongoDB schema to store print data and implemented middleware in Golang to provide data access.
- Transformed and now manage the Lab Web Page: <http://schen.ucsd.edu/lab/>

Web Development Intern | Gotobus.com & Taketours.com (June – August 2016)

Content management for the website and worked in a team of five that reported to marketing manager

- Built a more user-friendly interface for customers to improve sales and Implemented Responsive Design of Web pages for a better user experience
- Improved Search Engine Optimization (SEO) to rate higher on google search

Academic Project Experience: School Projects (GitHub: /atl043)

- Qualcomm DragonBoard 410c HARD Hackathon hosted by IEEE and HKN,
 - Designed and developed a package run on the DragonBoard 410c to remotely control a separate lighting board through an Android app created in the hackathon and Google Firebase server within 24 hours
- School Dining Triton Budget Android App – Team of 10 Students
 - Created an android app to help students budget school meal plan. As the Database Specialist devised Database scheme and implemented an SQLite database for the app.