

Andrew T Li

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

Objective

Graduating 2019 Mathematics and Computer Science student seeking to obtain an entry-level Software position at a respected organization and utilize the skills and experience I have obtained at UC San Diego and many internships.

Education

University of California San Diego (2015-2019)

B.S. in Mathematics & Computer Science

Technical Skills

LANGUAGES

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

KEY PROGRAMMING CONCEPTS

Object Oriented Programming, Data Structures and Algorithms, Operating Systems, Agile Development, Data Science

Work/Internship Experience

Intern, Software Engineer | L3 Telemetry & RF Products (Temp Agency - Acara) (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
- Worked with 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
- Conduct research and collaborate with other engineers in the development of software application
- Worked on OnTime Web Application done in Meteor and JavaScript to edit Open Sourced packages to our customer needs

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

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

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

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

Content management for web site and Customer Support, reported to a market manager in team of five

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

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

- Data Science – Team of 4
 - Performed data analysis of San Diego house renting market. Using Python/NumPy/Panda, downloaded data from Zillow.com and analyzed rent price trend by room types and correlation of season and events.
- School Dining Triton Budget Android App – Team of 10 Students
 - Android studio, Java, Gradle build, SQLite
 - Help students to manage school meal plan money and healthy diet, watching calories for each day
 - Uploaded school dining hall's menu items to SQLite database, student can buy meals and check balance and deposit dining dollars and statistic dash board of money spend daily.

Residence: San Diego, CA 92122