Andrew T Li

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Education

University of California San Diego (2015-2019)
B.S. in Mathematics & Computer Science   GPA 3.1/4.0

Technical Skills

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

KEY PROGRAMMING CONCEPTS
Object Oriented Programming (OOP), Data Structures and Algorithms, Operating Systems, Agile Data Science

Work/Internship Experience

Intern, Software Engineer | 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
- Worked with Rest 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 Project in 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.
- 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*)

- 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
- 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 and calories and nutrition breakdown

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