Andrew T. Li

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Summary of Qualifications

Experience working in Windows and Linux environments in developing WebAPIs, .NET applications, and Web applications. I work effectively within a team as well as independently in an agile software development process. I have a strong background in developing software applications and using Git or similar version control system.

Education

University of California San Diego   **Anticipated** June 2019
B.S. in **Mathematics & Computer Science**

Technical Skills

Languages: Java, C#, Python, HTML5, CSS3, JavaScript, ReactJS, C++, C, SQL
Frameworks: Git, Node.js, Meteor.js, .NET, Restful API, Android Studio

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

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   (Part-Time Current)
- 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 to configure 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 and backend in Golang to provide data access.
- Created .NET applications for 3D Biolight Printers using SerialPort communication and COM communication
- Transformed and 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 the 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
- 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.