ALLEN LAO

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Education

New York University   **May 2018 (Anticipated Graduation Date)**

B.S. in Computer Engineering
Relevant Courses: Data Structures & Algorithms, Design & Analysis of Algorithms, Databases, Computer
Architecture, Java and Web Design, Python, Digital Logic, VLSI, Introduction to C++

Technical Skills

Programming Languages:	Java, C++, Python, SQL
Scripting Languages:	PHP
Operating Systems:	Windows, iOS, Android
Web Site Development:	HTML, CSS
Database Development:	MySQL, JDBC
Other Tools:	Git, XML, MS Office, LabView, FPGA, Xilinx ISE

Related Projects

Multithreaded TCP Chat Program (Java, Socket Programming)   **April 2017**

- Created a multithreaded TCP chat server and chat client allowing multiple users to communicate simultaneously
- Implemented a GUI using Java Swing components and programmed chat communication via sockets

InstaDoc (Java, XML, Google Maps API)   **February 2017**

- Created an Android application that aids users in life-threatening situations using Java and XML
- Built in Android Studio and utilizes location tracking with the Google Maps API

Polytechnic Playing Machine (FPGA, Xilinx ISE)   **September 2016 – December 2016**

- Developed a game on a FPGA board that allows for play between humans and against the machine itself
- Implemented the playing strategy of the machine using digital circuits within a small team environment

Search and Recovery Robot (Mindstorms, MS Project, MS Sketchup)   **September 2014 – Dec. 2014**

- Designed an autonomous robot that traversed an obstacle course and pick up nodes
- Utilized Microsoft SketchUp to design robot, built using LEGO Mindstorms, managed team with Microsoft Project
- Nominated for the Nick Russo Award for Outstanding General Engineering Design

Experience

Operations Intern – NextGenVest   **August 2016 – February 2017**

- Collaborated with school administrators across the U.S. to setup workshops and presentations
- Managed all data entry and compiled statistical reports on customer growth and retention rates
- Revamped operational processes through development of nation-wide marketing strategies for customer acquisition
- Engaged in direct outreach (presentations) with students and parents both in-person and virtually (SendSonar)

Volunteer – Habitat for Humanity   **September 2010 – May 2016**

- Contributed over 100 hours to building housing for people in need both in Alabama and New York
- Engaged in hands-on projects that involved planning, construction, and team work

Assistant Manager – Chop Suey Inn   **September 2010 – July 2015**

- Lead a team of employees, worked with customers to ensure satisfaction, and fostered a working team environment
- Improved communication and time management skills immensely and dealt with stressful situations effectively