

ALLEN LAO

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Education

New York University

2014-2018 (Anticipated Graduation Date)

B.S. in Computer Engineering

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

Technical Skills & Technologies

- C++, Java, HTML, CSS, SQL, Python, LabView, FPGA, Android Studio, Xilinx, Microsoft Office

Related Projects

InstaDoc

February 2017 – Present

- Developing 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

September 2017 – December 2017

- 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

VertiLife – Vertical Livestock Farming

January 2015 – May 2015

- Brainstormed a concept improving livestock farming by utilizing vertical expansion as opposed to current methods
- Interviewed farmers in the industry and created a proposal for a MVP using Prezi and present ideas to colleagues

Search and Recovery Robot

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

Work Experience & Leadership

Operations Intern – NextGenVest

August 2016 – February 2017

- Communicated with school administrators across the nation to setup workshops and presentations
- Improved operational processes (marketing strategies and initiatives) and worked on data entry and growth analysis
- 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

Restaurant 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