Arber Xhindoli

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Education

University of Michigan   **Ann Arbor, MI**
Bachelor of Science Engineering in Computer Science   April 2018
GPA 3.52/4.00

Work Experience

University of Michigan – CSE Department   **Ann Arbor, MI**
Instructional Assistant – EECS 485   September 2017 - Present
- Writing and maintaining the project specifications. Responsible for coordinating the creation of the instructor solutions, generating test cases, and handling ambiguities.
- Leading a weekly discussion section of forty students.

Garmin   **Phoenix, AZ**
Software Engineering Intern   May 2017 – August 2017
- Redesigned Garmin Virb360 cross-platform application's music edit section, to increasing usability and functionality.
- Implemented numerous other features, and bug fixes. Including a double-tap gestures for media player, and View Pager for media library items.
- Exposed to advanced concepts and tools used in large development teams such as SCRUM, and Git.

National Super Conducting Cyclotron Laboratory   **East Lansing, MI**
Simulation Development Intern   September 2014 – August 2015
- Designed a prototype simulation of a particle detector using C++ toolkit Geant4, for the purposes of actual implementation for the laboratory.
- Self-taught advanced object-oriented concepts like inheritance and polymorphism.

IHS Markit   **Southfield, MI**
Automotive Analysist Intern   May 2014 – August 2014
- Established an In-depth study on technology adoption path of stop-start powertrain applications.
- Collaborated directly with customers and engineers to improve customer satisfaction by customer contact through emails and calls.

Project Experience

calendAR   **Ann Arbor, MI**
React-Native Application (Personal)   August 2017 – Present
- Implementing a shared social calendar app, that will allow individuals and groups to collaborate on events, share events with each other, and experience integrated chat between group members.

DataLift   **Ann Arbor, MI**
NodeJS Application (Personal)   April 2017
- Created a program for real-time activity tracking using an accelerometer, Particle Photon, and NodeJS.
- Utilizes Server-Sent Events to send information from the Node server to the webpage.

Scalable Search Engine   **Ann Arbor, MI**
Python Application (Classwork)   March 2017
- Wrote MapReduce job to mine JSON formatted data and create inverted index of words to certain values.
- Combined the inverted index and PageRank score of data to run a web page backed by a MySQL database with Python's Flask microframework to accept queries and return ranked search results.

Skills

Programming Languages: C++, Python, Java, JavaScript
Frameworks/Software: Android, React Native, Flask, CAD, Git, Geant4