Arber Xhindoli

arberx.com | 248-761-1781 | axhindol@umich.edu | Detroit, MI

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 — September 2014 – August 2015
- 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