

Arber Xhindoli

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Education

University of Michigan

Bachelor of Science Engineering in Computer Science
GPA 3.52/4.00

Ann Arbor, MI

April 2018

Work Experience

Garmin

Software Engineering Intern

Phoenix, AZ

May 2017

National Super Conducting Cyclotron Laboratory

Simulation Development Intern

East Lansing, MI

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, to create working simulation.

IHS Automotive

Powertrain Research Intern

Southfield, MI

May 2014 – August 2014

- Established an In-depth study on technology adoption path of stop-start powertrain applications, leveraging a broad range of resources including OEM interviews, patent searches and topical white papers.
- Collaborated directly with customers and engineers to improve customer satisfaction by customer contact through letters and calls
- Presented information and study findings to more than 40 key analysts at IHS.

Project Experience

Client-Side Dynamic Photo Album

Python Application (Classwork)

Ann Arbor, MI

February 2016

- Implemented a dynamic webpage using the Flask Python web framework, that utilized modern client-side asynchronous programming to create a single page application allowing multiple users the ability to upload and create photo albums.
- Leveraging JavaScript, HTML, CSS and Python to implement routes, and dynamic webpages, allowing the users a seamless experience with no page reloading.

Hotdog Mobile Application

C# Application (Personal)

Ann Arbor, MI

September 2016 – October 2016

- Developed C# application with the use of Xamarin, that would allow users of the app, to view, purchase, and order different menu items from their mobile phones. Application template can be implemented to accommodate a wide variety of restaurant formats.
- Learned many core aspects of Android development, including: views, activities, and data services.

P.E.P.E – Occupancy Calculator

C++ Application (Personal)

East Lansing, MI

March 2015

- Applied a facial recognition algorithm (using OpenCV library), to create distinct facial objects, belonging to a single person. Application would then be used to keep an accurate measure of the number of distinct people inside an area, using just a webcam.

Skills

Programming Languages: C++, Python, C#, MATLAB, JavaScript, HTML, CSS

Frameworks/Software: Xamarin, Flask, Django, Bootstrap, Geant4, NX (CAD)