

Location Detroit, MI 48226

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Objective

When I start working on a project, it's all I can think about—I'm not satisfied with it until it's perfect. I'm looking for an exciting challenge and a team with the same desire to build great software that I have. I want to help a start-up grow and reach its potential.

Experience

Ford Motor Company Dearborn, MI, Summer 2016 - Present

IT Ford College Graduate, Occupied both developer and business analyst roles in an Agile Software Development team. I pioneered a suite of tools to automate and expedite deployments of software upgrades in vehicle assembly plants, which cuts plant down-time by $\frac{1}{4}$. I also created a web app using Node.js that monitors and controls JVMs in QC and prod. environments.

MSU Capstone - Team Amazon East Lansing, MI, Spring 2016

Team Member, Senior Capstone course working for Amazon. Using AWS, we developed an improved Twitch.tv streaming website with Comment Ranking and Smart Advertisement functionality. I created a Google Chrome Extension and worked on the frontend, utilizing HTML/CSS and Javascript, as well as the backend using PHP, a MySQL database, and various APIs.

Smart Homes and Smart Offices Okemos, MI, Spring 2015 - Spring 2016

Developer, Internship that turned into a part-time job during the school year. I managed and customized CRM software in the form of a Microsoft Access DB, led multiple data mining projects using .NET to increase sales, built a custom SharePoint site, and helped manage various Wordpress sites. I also trained a new intern who worked beneath me and was my successor.

Digital Humities and Literary Cognition Research Lab East Lansing, MI, Fall 2014

Programmer, Working on a team trying to better understand what happens inside the brain when people read, I used Python to create a graphical representation of eye-tracking data in order to visualize patterns in subjects' eye movements.

Herman Miller, Inc Holland, MI, Summer 2014

Manufacturing Operator, In a fast-paced furniture manufacturing plant, I made sure the assembly line never stopped by troubleshooting problems, verifying orders, and adjusting the pace of production to meet quotas.

Education

Michigan State University East Lansing, MI, Spring 2012 - Spring 2016

B.S. Computer Science and Engineering with Business cognate. Graduated Spring 2016. 5 of 8 semesters on Dean's List.

Denmark Technical University Lyngby, Denmark, Spring 2015

Semester abroad where I took master's level CS courses including AI, Databases, and Machine Learning and Data Mining.

Skills

Most familiar with *

- C++
- HTML/CSS*
- PHP*
- SQL
- C with Arduino
- Java*
- Python*
- Swift
- Git
- JavaScript/jQuery*
- Shell and Batch Scripting
- Test-Driven Development

Hackathons

Startup Weekend - 1st Grand Rapids, Winter 2017

Find a place to dump your car using the mobile app Dump, the Airbnb for parking. Pitched the idea and founded the team.

Ford Catalyst - 4th, Most Viable Dearborn, Fall 2016

Dynamically block blinding sunlight while driving, using the Smart Sun Visor. Used Arduino with accelerometer and light sensor to know when to activate Smart Tint sun visor.

Ford STEAM Hack - 2nd Detroit, Fall 2016 - present

Allow students and teachers to connect using GamePlan, an app that strengthens a school's community and empowers students.

Development continued after hackathon. Team of three is currently working on developing a web app using a Python Flask backend API and an Angular 2 frontend. Native mobile apps for for iOS and Android is planned future developments.

Personal

When I'm not coding, I like to stay active by running, biking, and playing soccer. In my opinion, the only thing better than a pickup soccer game is curling up with my two dogs. I also love to travel and have visited 17 countries.

