

Location Detroit, MI 48226

Website [cashc.me](http://cashc.me)

Github [github.com/cashc](https://github.com/cashc)

Phone 616-204-1527

Email [cash@cashc.me](mailto:cash@cashc.me)

LinkedIn [linkedin.com/in/cashc](https://linkedin.com/in/cashc)

## 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 Humanities 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 - 1<sup>st</sup>** 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 - 4<sup>th</sup>, 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 - 2<sup>nd</sup>** 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.

