

Camille Emig

Computer Science & Engineering

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EDUCATION

MICHIGAN STATE UNIVERSITY

B.S. Candidate, Computer Science, *GPA: 4.00*

Honors College Member

EAST LANSING, MI

August 2016 - May 2020

EXPERIENCE

BLUE MEDORA

Software Engineering Intern

GRAND RAPIDS, MI

Summer 2017

Full stack development for SelectStar, a SaaS database management application, including futureproof unit tests to ensure consistent functionality of the website.

Implemented a Recent Activity page for DBAs to monitor the activity across their system, as well as activity feeds for databases.

Created a new UI for the viewing a database and all information relevant to it.

Full stack implementation of two free tools- Dynamotion, a Dynamo Table management system, and Dapper, a dashboarding tool.

MICHIGAN STATE UNIVERSITY

Professorial Assistant- Smart Microsystems Laboratory

EAST LANSING, MI

September 2016 - Present

Developed autonomous functions and embedded programming for a robotic fish used to monitor water quality and to track schools of fish.

Designed and implemented a user interface for controlling the fish, allowing users to interact with the fish without sending commands through a command line interface.

IGNITECS

Google igniteCS Mentor at Michigan State University

EAST LANSING, MI

January 2017 - April 2017

Mentored 5th grade students from urban schools, teaching them computer science and engineering principles.

Created curriculum on the basics of computer science and problem solving for the students, which resulted in an increased interest in careers in engineering fields.

FIRST ROBOTICS TEAM 904

Lead Programmer

GRAND RAPIDS, MI

January 2015 - May 2016

Created autonomous and user controlled modes for the robot during the 2015 and 2016 FRC seasons which resulted in competing at the world championship in 2016.

Head of the electronics and wiring for the 2016 competition season robot, and the 2015-2016 practice robot.

Provided support during competitions to ensure fully functionality of the robot.

CALVIN COLLEGE

Academic Camps for Excellence Program Leader

GRAND RAPIDS, MI

Summer 2012 - Summer 2016

Taught Scratch, a drag and drop programming language, to students entering grades 6-12 during a five-day long summer program.

Assisted students in creating an original game from proof of concept to a fully functional program that the students presented at the end of the week.

PROGRAMMING LANGUAGES

Experienced with Ruby on Rails, Python, C++, C#, C, Windows Presentation Foundation (WPF)

Limited Proficiency in Java, Swift

ACTIVITIES / HONORS

Anita Borg Grace Hopper Conference Grant Recipient

Fall 2017

Women in Computing Corporate Relations Chair

Fall 2017 – Spring 2018

Women in Engineering Mentor

Fall 2017 – Spring 2018

Michigan State University Dean's List

Fall 2016, Spring 2017

PORTFOLIO

LINKEDIN

linkedin.com/in/camilleemig

GITHUB

github.com/camilleemig

WEBSITE

camilleemig.github.io