

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

MICHIGAN STATE UNIVERSITY

Undergraduate Learning Assistant- Intro to Computer Science

EAST LANSING, MI

January 2018 - Present

Taught a section of 20 students once a week in Python for first Introduction to Computer Science class

Prepared lecture materials for a short lecture before leading the students through a weekly laboratory exercise

Held help-room hours for students each week, during which I answered questions on the weeks material, exercises, and projects

Created worksheets for students to gain a better understanding of the materials for each week

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 database administrators to monitor activity across their system

Created activity feeds for the users to view activity surrounding their databases.

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

Full stack implementation of Dynamotion, a Dynamo Table management system, and Dapper, a dashboarding tool to track work productivity and site statuses.

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.

PROGRAMMING LANGUAGES

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

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

Cycling Club Member

Fall 2017 – Spring 2018

Michigan State University Dean's List

Fall 2016, Spring 2017

PORTFOLIO

LINKEDIN

[linkedin.com/in/camilleemig](https://www.linkedin.com/in/camilleemig)

GITHUB

github.com/camilleemig

WEBSITE

camilleemig.github.io