

# CLARE E. KINERY

## Computer Science Engineering



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## EDUCATION

### Michigan State University

BS, Computer Science Engineering, Graphic Design Minor // 2017 – May 2021 (expected)

Cumulative GPA: 3.75/4.0

Dean's List 2017 – 2019

## TECHNICAL EXPERIENCE

### FOCUS (Fast Object-oriented C++ Ultrasound Simulator) // 2019 – Present

*Research Assistant to Dr. McGough*

Creating a version of FOCUS based in Python, implementing a wrapper for C++ program to interact with Python, converting MATLAB version to Python

### Michigan State University, Computational Thinking Lab // 2018 – 2019

*Teaching Assistant*

Explaining concepts of Python, guiding students through high level problem solving strategies, debugging students' code, grading coursework, promoting computer science engineering as a major to minorities

### Reversi // 2018

*Project*

Using Python, programmed a two-player board game based on the game Othello

### Cipher/Decipher Tool // 2018

*Project*

Using Python, programmed a tool that decodes and encodes ciphers through multiple methods

## PROGRAMMING LANGAUGES

Highly Proficient: **Python, C++**

Experienced: **C, ARM, HTML, CSS, PHP**

## LEADERSHIP/ACTIVITES

### Spartan Girls Who Code // 2018 – Present

*Lead Mentor*

Promoted to lead mentor, instructing coding languages to 30 middle school girls, individually mentoring 5 students, creating lesson plans, and promoting sisterhood to help close the gender gap in tech fields

### Women in Computing (ACM-Women) // 2017 – Present

*Webmaster*

Curating website, improving mobile experience, encouraging/supporting women in computing fields, community outreach, introducing women to computer science

### Women in Engineering // 2017 – 2018

*Member*

Advocating for women in engineering, promoting professional growth, community outreach, personally hosting high school girls interested in engineering at MSU