CLARE E. KINERY

Computer Science Engineering

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EDUCATION

Michigan State University   **2017 – 2021 (expected)**
BS, Computer Science Engineering, Graphic Design Minor
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

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

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

PERSONAL PROJECTS

Reversi   **2018**
Using Python, programmed a two-player board game based on the game Othello

Cipher/Decipher Tool   **2018**
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 Engineering   **2017 – 2018**
Member
Advocating for women in engineering, promoting professional growth, community outreach, personally hosting high school girls interested in engineering at MSU

CONFERENCES

Michigan Women in Computing, *Speaker*   **2019**
Target Women in Technology Symposium, *Attendee*   **2019**
Grace Hopper Celebration, *Attendee*   **2018**