Juliet Maya Carpenter

5 Pipestem Court, Rockville, MD 20854 • (301) 957-4747 • julcarp@umich.edu

Education

❖ **University of Michigan, Ann Arbor – College of Engineering**   September 2017 – present
GPA: 3.118/4.00
Expected Graduation: May 2021

➢ Relevant Coursework: Data Structures and Algorithms, Computing for Computer Scientists, A Programming Language: Java, Programming and Introductory Data Structures, Underwater Vehicle Design, Discrete Mathematics, Introduction to Computers and Programming, Introduction to Differential Equations

➢ Major: Computer Science and Engineering

❖ **Thomas S. Wootton High School**   August 2013 – May 2017

➢ Relevant Coursework: Programming 1, Website Development, Advanced Website Tools and Digital Media

Experience

❖ **Board Member and Peer Mentor, Women in Science and Engineering Residence Program**
Ann Arbor, MI   March 2018 – present

➢ Work with program leadership to develop and implement community-wide social and wellness programs

➢ Selected to return to program to mentor incoming freshmen by providing advice and support

➢ Plan interactive and engaging events to build relationships and foster a sense of community

➢ Actively participate in program events and activities with fellow members and mentors

❖ **Introduction to Computers and Programming Dormitory Study Group Leader**
Ann Arbor, MI   July 2018 – December 2018

➢ Facilitate two-hour weekly study group to review material taught in lectures and answer student questions

➢ Encourage a positive group dynamic to effectively aid in students' learning

❖ **Underwater Vehicle Design – Engineering 100 Project Team**
Ann Arbor, MI   January 2018 – April 2018

➢ Developed a remotely operated underwater vehicle and a submersible bathysphere prototype using knowledge of hydrodynamics, hydrostatics, statistics, and electronics

➢ Customized Arduino code on the control box to better suit the vehicle's unique thruster functions

➢ Worked effectively and efficiently with team members to meet deadlines and create a successful project

❖ **Web Intern, Higher Level Basketball Camp**
Rockville, MD   August 2016 – January 2017

➢ Actively and independently developed and updated the Higher Level Basketball Camp website using PHP

➢ Monitored the efficiency and uploaded large sets of files to address the needs of the client

❖ **Webmaster Intern, Montgomery County Public Schools Web Services**
Rockville, MD   June 2016 – August 2016

➢ Developed Montgomery County Public School websites, uploading CSS to style websites

➢ Implemented several hundred data files onto county website using HTML and provided JQuery program

➢ Edited and uploaded HTML, CSS, images, and files to be more adaptive and efficient

➢ Assisted with restoring documents and data that had been lost in a network malfunction

Skills

❖ Languages: C++, Java, MATLAB, HTML, CSS, JavaScript, PHP

❖ Software: Xcode, IntelliJ, Arduino, Visual Studio, Adobe Dreamweaver, Illustrator, Photoshop, Microsoft Office

Activities

❖ Member of Women in Science and Engineering Residence Program   May 2017 – present

❖ MiOS Member (iOS Development Club at University of Michigan)   August 2017 – December 2017