Merryn Marderosian

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Education

MICHIGAN STATE UNIVERSITY | EAST LANSING, MI   MAY 2020
College of Engineering   GPA: 3.27 / 4.0
Bachelor of Science, Major in Computer Science
Concentration in Neuroscience

Skills

C++, Python, Java, HTML, CSS, React, JavaScript, PHP, MATLAB, SQL, ARM Assembly

Experience

SENIOR CAPSTONE DEVELOPER | MICHIGAN STATE UNIVERSITY | EAST LANSING, MI   JANUARY 2020 – MAY 2020
- *Developed a web application to ingest, store, and display live-streamed data* in a group with 4 others for an upcoming human behavior study hosted by Michigan State University's Computer Science Department with direction from Dr. Mohammad Ghassemi
- Developed primarily with JavaScript, Python, HTML with Bootstrap, and MySQL along with a variety of sensors and Raspberry Pis

UNDERGRADUATE LEARNING ASSISTANT | MICHIGAN STATE UNIVERSITY | EAST LANSING, MI   AUGUST 2019 – MAY 2020
- *CSE 102 – Algorithmic Thinking and Programming*: Served as co-lead for two twice-weekly lab sections in a given semester, each consisting of nearly 30 college students from all backgrounds as they navigated weekly assignments related to basic Python skills
- Staffed helprooms, completed administrative tasks such as grading assignments, recorded attendance and proctored exams
- Organized and rehearsed material in order to provide the most effective learning experience for all students

INSTRUCTOR | INFORMATION TECHNOLOGY EMPOWERMENT CENTER | LANSING, MI   JANUARY 2018 – MAY 2019
- *Coordinated classroom objectives* to guide students through computerized math modules and scientific research
- Filled in for Lead Instructor as needed to ensure a successful classroom experience
- Researched and updated math and computer science programs to increase engagement in classrooms
- Executed one-on-one performance reviews to analyze students' progression and make recommendations for improvement

PERSONAL PYTHON TUTOR | MICHIGAN STATE UNIVERSITY | EAST LANSING, MI   SEPTEMEBER 2018 – DECEMBER 2018
- *Educated students from different majors on the basis of Python language* – achieved 100% competency
- Developed learning schedules to accommodate varying student skill levels
- Led focused review sessions in concentrated groups to provide guidance in specific problem areas

CLINICAL ASSISTANT | PROFESSIONAL ENDODONTICS | SOUTHFIELD, MI   JUNE 2014 – DECEMBER 2018
- *Prepped and shadowed surgeries for endodontic procedures*
- Sterilized dental equipment and prepared surgical trays, trained new sterilization technicians
- Regulated and ordered chemical solutions, maintained inventory on technical equipment

Recognitions

CSE 335 TOP PROGRAMMING PROJECT PRIZE – OBJECT-ORIENTED SOFTWARE DESIGN   DECEMBER 2019

- *Selected by Dr. Charles B. Owen for top award among nearly 250 students in advanced computer science competition*
- Utilized C++ Language in Visual Studio to develop a growing tree visual, utilizing seeds in conjunction with a pseudorandom number generator