Megan Zimmerman

zimmer1@umbc.edu
301-943-4094
19623 Hoover Farm Drive, Gaithersburg MD 20882

Education

University of Maryland Baltimore County   Expected Graduation December 2016
                                                                                        GPA of 3.21
- Bachelors of Science in Computer Science, with a focus in Human Robot Interaction.

Skills

Programing Languages: C++, Python, Java, Android Development
Web Based Languages: MySQL, PHP, Basic HTML, Basic Javascript
Software: Eclipse, Microsoft Visual Studio, Putty, ROS
Operating Systems: Windows 7/XP, Ubuntu and RedHat Linux, OSX

Projects

Independent Robotics Research- Medical Assistant Robotic Drug Administer   Spring 2015 - Current
- Using python, ROS, the amazon Echo sdk in java, and the Stanford CoreNLP library I have designed and am developing a system that can parse ambiguous implicative natural language sentences related to the medical care of a human directly into robotic actions.

Principals of Programing Languages–UMBC Parking app   Fall 2014
- Using the Eclipse Android development environment, Photoshop and MySQL I worked with a team of two other students to create a parking app for UMBC Campus powered primarily with crowdsourcing rather than expensive parking sensors that the school cannot afford. My main responsibilities in this project were team management and GUI development.

Work Experience

UMBC, Computer Science Teaching Assistant
January 2015-Present
- Designed and graded homework for students who have never coded before.
- Instructed sections of up to 20 students through interactive labs to strengthen basic programming concepts using python 3.33.
- Met with students on a one on one basis to help them through any issues they had conceptualizing algorithms and writing out code.

Interactive Robotics and Language Lab at UMBC, Undergraduate Research Assistant
January 2015–Present
- Designed system architecture for a program that parses ambiguous natural language sentences to robotic commands.
- Organized team of students working on project, helping to navigate the complexities of motion planning for mobile manipulator robots, ROS, natural language processing and Human Robot interaction.

Community Involvement

- President of UMBC Cosplay Coalition (Spring 2015-Present)
- Event Coordinator of UMBC Connect (Spring 2015-Present)
- Member of Computer Council of Majors (Fall 2015-Present)