Jordyn Brosemer

Website: https://jbrosemer.github.io/portfolio/

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Profile

Human Robot Interaction Major and possible Roboticist seeking a career involving software and hardware application and development that will allow me to continue to improve my technical skills and communication skills with people and robots

Education & Skills

Tufts University, Medford MA   *Expected Degree December 2022*
 Masters of Science, Electrical Engineering Human Robot Interaction   *GPA: 3.40*

Lafayette College, Easton PA   *Graduated May 2020*
 Bachelor of Science, Electrical and Computer Engineering   *Major GPA: 3.14*

Relevant Course Work
 Advanced Robotics, Probablistic Robotics, Embedded Systems, Digital Circuits, Signals and Systems, Control Systems, Power Electronics, Communication Networks.

Related Skills
 Java, C++, Matlab, Python, Auto CAD, Inventor, Microcontrollers (PIC32), Circuit design, System Verilog, FPGA, SPICE, Git, Project Management

Work Experience & Relevant Projects

SAE Formula Hybrid Team Project Manager & Team Captain   *Fall 2019 - Spring 2020*
 Nominated for the role of Project Manager and under a tight schedule, tasked with completing an electric vehicle in six months. Responsible for keeping 25 undergraduate engineers knowledgeable of the overall project and ran organizational meetings while participating in the design process whenever possible. Learned PCB and CAD design while enhancing interpersonal, oratory, time management and technical skills. In a pinch personally 3D modeled and constructed the new cooling enclosure to be tested with the other subsystems.

Technology Engineering Internship Brandmuscle - Cleveland, Ohio   *Summer 2019*
 While reporting to the Lead Enterprise Architect, using C# and Visual Studio, learned Docker, and containerized over a dozen Windows web applications that would eventually be pushed into the production environment.

Acopian Power Supplies Externship   *January 2019*
 Spent multiple days shadowing and consulting with Engineers at Acopian Power Supplies in Easton PA, and learned techniques in Research and Development and the actual building of commercial power supplies.

Ingredient Dispenser   *December 2018*
 As a final project for Embedded Systems, built and coded a device that is capable of dispensing specific amounts of ingredients capable of measuring the amounts using a load cell all of which in C++. The user controls how much of each is dispensed by using a programmed UART command window. Learned how to use CAD and 3D modeled the enclosure and built it out of wood, as well as 3D modeled and 3D printed the dispensing gears.

School Organizations

Lafayette College IEEE   *Fall 2017 – Spring 2020*
 Institute of Electrical and Electronic Engineers met once a week and participated in the Micromouse competition

WJRH Radio Station Engineer and Show Host   *Spring 2017 – Spring 2020*
 Engineer for the radio station assisting in projects such as implementing a new website applying a RFID reader for the station as well as hosting and performing a show playing music and talking to the audience.

Work Organizations

Lafayette College Tech Lounge and ITS – Easton, Pennsylvania   *Spring 2018*
 Assisted students and faculty with technical issues while learning invaluable customer service experience

Brosemer, Kolefas and Associates LLC - Holmdel, New Jersey
 Provided assistance when needed including filing, maintenance and cleaning.