

Cassandra Pepicelli

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Objective

Obtain a summer internship in Electrical Engineering to further advance my knowledge and understanding of that technology and contribute to the company.

Education

BACHELORS | CURRENTLY ENROLLED | WORCESTER POLYTECHNIC INSTITUTE

- Major: Electrical and Computer Engineering
- Minor: Business
- Cumulative GPA: 3.90
- Major GPA: 3.86
- Major Coursework: Introduction to Programming for Non-Majors, Introduction to Electrical & Computer Engineering, Systems Programming for Non-Majors, Sensors, Circuits & Systems, Introduction to Digital Circuit Design, Embedded Computing in Engineering Design, Continuous-time Signal and System Analysis, Electrical and Computer Engineering Design, Discrete-time Signal and System Analysis
- Campus Involvement: Active Member of the Alpha Phi Fraternity, Active Member of the Promotion of Animal Welfare Society, Active Member of the Society of Women Engineers, Active Member of the Colleges Against Cancer Club

Professional Experience

GE TRANSPORTATION INTERN | QUALITY INTERN | 05/2017-08/2017

Collaborated with a team to develop a comprehensive audit plan to analyze the work done to migrate the quality inspection plans. The audit plan incorporated the reviewing of quality inspection plans and operations with line leaders, quality engineers and operators for accuracy, expanding connections within the company. Systematic errors were found in the audit process and were addressed using intensive risk mitigation and programming. Work was widespread across the Quality Team, the Digital Thread Team, and the Programming teams.

WPI STUDENT STAFF | ACADEMIC TECHNOLOGY CENTER | 10/2016-CURRENT

Responsible for communicating with WPI students and staff and then analyzing their needs to provide them with the equipment necessary to solve their specific problem. Staff are required to use their knowledge of AV resources to create the most efficient reservation for the customer as well as be able to instruct the customer how to use the equipment. The job requires the ability to work under strict time constraints and constant pressure. Staff are expected to be able to handle equipment reservations, evaluate and print large scale posters, direct customers to relevant departments across campus, as well as set up and take down equipment all over campus.

WPI STUDENT STAFF | STUDENT CALLING CENTER | 10/2016-1/2017

Updated records, shared recent happenings around campus, and requested financial support for the university. Committed to continuing to improve the WPI experience for future WPI students. Accomplished this by strengthening relationships between alumni and the university, and by increasing alumni participation in the WPI Fund.

COUNSELOR | AMERICAN LEGION AUXILIARY GIRL'S STATE PROGRAM | SUMMER 2015

Educated young women on the power of the individual and what it means to be a woman in the United States, as a citizen and as a part of the government. This program taught me how to establish positive relationships, how to foster a culture of good sportsmanship, cooperation and personal responsibility, as well as how to create and enforce rules of behavior and respect.

Projects

HYDRASSIST - 2017 R. H. GRANT INNOVATION CONTEST PRESENTATION PROGRAM

Designed and engineered an IoT prototype in the class Electrical and Computer Engineering Design. The HydrAssist is a device in the form of an attachable, adjustable koozie that seeks to prevent dehydration by monitoring the amount of water someone drinks throughout the day. The HydrAssist sends this data via Bluetooth to a smartphone app that saves the data to a .csv file to be accessed later.

WPI INTERQUALIFYING PROJECT - AT THE METROPOLITAN FIRE BRIGADE (MFB) IN MELBOURNE, AUSTRALIA

Provided an analysis of internal and external drivers influencing the contemporization of the Fire Ed program for primary school children led by the Metropolitan Fire Brigade (MFB) in Victoria, Australia. From interviews, data analysis and contemporary practice case studies, the WPI team provided MFB with the evidence necessary to confirm that Fire Ed needs a modernization of its booking, reporting and feedback processes, delivery approach, key messages, and resources. The team developed appropriate and contextualized advice to support organizational decision making about the scope and types of changes required to contemporize the Fire Ed program.

Skills

Maple, MATLAB, Python, SQL, Microsoft Office Word, Microsoft Office Excel and Microsoft Office PowerPoint, Large Scale Poster Printing, Computer Re-imaging, Adobe Photoshop, Proposal Writing

Awards

- WPI Dean's List 2015-2017
- President Obama's Award for Educational Excellence
- WPI Presidential Academic Excellence Scholarship
- 2nd place in 2017 R. H. Grant Innovation Contest Presentation Program