Erin M. Sussmann

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Education

Bachelor of Science in Electrical Engineering, *expected May 2020*
Bachelor of Science in Computer Science, *expected May 2020*
Minor in **Mathematics**
College of Engineering, Technology & Architecture (CETA); University of Hartford
GPA: **3.86**/4.00, President's List, Dean's List *(Fall 2016 – Present)*

Relevant Courses

Electrical Engineering: Digital Signal Processing, Communications Engineering, Random Signals and Noise, Continuous Control Systems, Intro to Computer Networking & Cybersecurity, Electronic Circuits, Electromagnetic Field Theory,
Computer Science: Software Development, Concepts of Programming Languages, Principles of Databases, Data Structures

Skills

Languages: **Java**, **C++**, **mySQL**, **C#**, PHP, HTML, JavaScript, ML, Python
Software: **Cadence**, **MATLAB**, Jira, Unity, LabVIEW, Xilinx, AutoCAD

Experience

Teaching Assistant, Computing Department, University of Hartford
August 2019 – Present
- Assisted in CS110 Introduction to Computing classroom.
- Helped lead classroom discussions, labs, and review sessions on programming concepts using Python.

Technology Intern, Primacy**,** Farmington, CT
June 2019 – Present
- Worked with VS2013/VS2017 .NET Framework, Asp.net, C# .Net, MVC Web Applications and Web Forms.
- Developed client-side websites, contributing to both back-end and front-end work.
- Developed prototype projects for company wide use.

Senior Project Manager & Technical Business Analyst, Randian LLC, Burbank, CA
May 2018 – Present
- Technology Intern, May 2017- May 2018
- Led a multi-faceted team to create technical solutions for clients in an Agile system.
- Created and maintained support and administrative user documentation.
- Designed mobile applications and new features, reviewed bugs and issues.

Office Staff, NASA Connecticut Space Grant Consortium, West Hartford, CT
May 2017 – Present
- Maintained an internal database of grant applicants and awards.
- Created and implemented an online application system for the Consortium.

Projects

Autonomous Serving System, University of Hartford
September 2019 – Present
- Working in a team of three to develop and implement an autonomous robotic food and beverage serving system.
- Identified problems, needs, and use cases for the system.
- Plan to integrate facial recognition, spatial mapping, and object detection to allow robot to roam autonomously.

Candidate Matching Application, University of Hartford
September 2019 – Present
- Creating an application to allow users to view information on presidential and local candidates.
- Working collaboratively with a Visual Communicative Design student on the application's appearance and user flow.

Software Trial Run Emulating Soon-to-be Students For University Life, University of Hartford
February 2019 – May 2019
- Worked within a team to design and implement a 2D novel visualization game based on a student's life.
- Collaborated with client to define specifications, functional and non-functional requirements, and UI/UX design.

Health Care Assistive Robot, University of Hartford
September 2017 – September 2018
- Assisted in the creation of a robot with the ability to take a patient's heartbeat and blood pressure.
- Utilized IoT sensor to transfer and analyze data from measurements.
- Project was **awarded second place at the college-wide design expo.**

Competitions

Mode, Hartford Insurtech Hackathon 2017
September 8 – 10, 2017
- Created a web-based insurance provider that helped support struggling artists in the Hartford area.
- This project was awarded **1st place** out of more than 10 teams, earning a monetary prize of $5,000.

Activities

Institute of Electrical and Electronics Engineers, University of Hartford (*President),* **Society of Women Engineers (***Public Relations Manager)***, Global Peer Advisors (***Chair of the Technology Committee)***, CETA Robotics Group**

Honors

Eta Kappa Nu Honor Society, *Vice President*
April 2019 – Present

Alpha Chi Honor Society
April 2018 – Present

Tau Beta Pi Honor Society
April 2018 – Present

References Available Upon Request