

School Address:

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2 Old Conant Road
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- Education:** **Worcester Polytechnic Institute (WPI)**, Worcester, MA
Bachelor of Science in Computer Science, GPA 3.9/4.0, 2022
Business Minor
- Relevant Courses:** Object-Oriented Design (Java), Algorithms, Databases*, Operating Systems*, Human Computer Interaction, System Programming (C), Social Implications of CS, Great Problems Seminar, Intro to Robotics 1, Risk Analysis (Business), Discrete Mathematics, Probability w/ Applications
- Projects:** **Designed and Improved a New Website**, WPI, April 2020
Conducted heuristic evaluations to maximize efficiency and simplicity in designing an online store from scratch. Conducted a usability study and used results to update the layout in order to reduce user error and confusion.
Designed a Responsive Webpage, WPI, February 2020
Created a responsive webpage that replicates the WPI website as part of a coding challenge. Took initiative to learn HTML, CSS, and JavaScript in order to complete the project and was selected to work for the WPI marketing and communications team.
Built an LED Matrix, June 2020
Used individually addressable LEDs to create a 16 x 9 LED panel controllable by an Arduino chip. Planned and wrote the code to drive the LEDs and built a compatible android app that changes the colors and effects the panel can display.
Great Problems Seminar: Power the World, WPI, January - April 2019
Won first place in the Great Problems Seminar to solve post hurricane Maria energy issues in Puerto Rico. Researched mental and physical health problems of living without electricity and narrowed the problem to meet the needs of small families. Conducted interviews with experts and researched potential solutions. Developed a concept for a cost-effective battery-based solution that would provide energy to sustain small electrical medical devices as well as other electronic devices that will improve the mental health of a hurricane survivor.
- Skills:** **Technical:** Java, C, C++, HTML, CSS, Javascript, Python, WordPress, Github, Slack, Linux, SQL, Microsoft Office
Miscellaneous: Photography, Videography, Photo and Video Editing.
- Experience:** **CS Instructor**, May 2020 – Present
Create lesson plans and teach intermediate Java skills to middle and high school students.
Camp Counselor, June – August 2019
Organized and ran nightly activities for high school students. Gave participants advice about college and helped with any social issues that arose.
- Leadership:** **Vice President of Sigma Alpha Epsilon Fraternity**, WPI, January 2020 – Present
Elected to oversee all internal affairs for the SAE fraternity.
Recruitment Chair for Sigma Alpha Epsilon Fraternity, WPI, August – December 2019
Elected to plan and organize rush for the SAE fraternity. Tasked with creating a schedule, calling and hiring external companies, and delegating work to subcommittee.
Peer leader, Diversity Workshop, LSRHS, March 2017-March 2018
Trained to lead a diversity workshop for twenty 9th graders with two partners. Needed to amend the curriculum to help the younger kids relate and understand to the information.
- Activities:** **Ultimate Frisbee A-Team**, WPI, August 2018 - Present
Sigma Alpha Epsilon Fraternity, WPI December 2018 – Present

*Classes planning to complete by the end of the year