

Alden Cutler

Seattle, Washington | (310) 963-7730 | amcutler@wpi.edu | <https://aldencutler.github.io>

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

May 2026

BS and MS in Computer Science

Relevant Coursework: Data Structures/Algorithms, Operating Systems, Software Engineering, Machine Learning

Awards: Dean's List (Fall 2023 – Present)

Seattle Academy of Arts and Sciences, Seattle, WA

2022

Awards: 2nd Place – AFA National Cyberpatriot Competition

WORK EXPERIENCE

Boeing, *Cybersecurity Intern*, Seattle, WA

March 2022 – May 2022

- Developed prototype monitoring software responsible for significantly improved cyber event detection capabilities on aircraft onboard computer systems, protecting flight-critical data and systems.
- Assisted in the development and implementation of cybersecurity protocols, with a focus on log management and analysis to ensure system integrity.
- Gained hands-on experience with industry-standard tools and practices in a corporate environment.

United States Soccer Federation, *Soccer Referee*, Seattle, WA

March 2019 - Present

- Ensured adherence to rules of the game, maintaining fairness and player safety in amateur and competitive leagues.
- Managed on-field disputes, making quick and accurate decisions under pressure.
- Demonstrated strong communication skills to manage interactions with players, coaches, and other referees.

French American School of Puget Sound, *Summer Camp Counselor*, Mercer Island, WA

June 2021

- Leveraged my bilingual abilities in French and English to teach French to 20 children aged 3-8.

LEADERSHIP EXPERIENCE

Redshift Robotics, *Business Lead*, Seattle, WA

September 2020 – June 2022

- Managed over \$80k in funding for my FRC robotics team.
- Communicated with other team leaders, ordered parts and team gear, planned travel to events, communicated with and secured sponsors, and organized community outreach events.

Worcester Polytechnic Institute, *Research on Public Transit*, Lyon, France

May 2024 – July 2024

- First author on 130-page research paper focused on benefits of public transit.
- Used data scraping, Python/Jupyter notebooks, and SQL database of >500,000 data points to quantitatively analyze efficiency and spatial density of public transit in Lyon, France.

GoatHacks 2024 at Worcester Polytechnic Institute, *Full Stack Developer*, Worcester, MA

January 2024

- Winner of Rookie Award, 2nd Place overall.
- Worked as full-stack developer on web app that uses AI, current weather, and previous music listening history to recommend music.
- Used Flask as backend to integrate OpenAI, Spotify, and OpenMeteo APIs into Figma-designed frontend, implemented in Jinja HTML templates.

SKILLS AND INTERESTS

- *Computer Skills:* C, C++, Java, x86 Assembly, Python, R, HTML, CSS, JS, React.js, Node.js, Flask, Pandas/Numpy
- *Language Skills:* English (Native), French (Fluent)
- *Interests:* Embedded Software Development, Cybersecurity, Machine Learning, Artificial Intelligence, FinTech