Alden Cutler

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EDUCATION

Worcester Polytechnic Institute, Worcester, MA   May 2026
BS and MS in Computer Science, Specializtion in Computer Security, Minor in Data Science
Relevant Coursework: Data Structures/Algorithms, Operating Systems, Machine Organization/Assembly Language,
Software Engineering, Software Security Design and Analysis, Computer Network Security, Database Systems
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
- Communicated with other team leaders, ordered parts and team gear, planned travel to events, communicated with and secured sponsors leading to over $80k in funding, 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, MongoDB, JavaScript, React, Node, Flask, Pandas/Numpy
- *Language Skills:* English (Native), French (Fluent)
- *Interests:* Embedded Software Development, Cybersecurity, Machine Learning, Artificial Intelligence, FinTech