

Sarah Olson

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EDUCATION

Worcester Polytechnic Institute (WPI)

Worcester, MA

Master of Science in Computer Science GPA 3.86/4.0

May 2025

Bachelor of Science in Computer Science GPA 3.86/4.0

May 2025

Highlighted Coursework: Software Engineering, Artificial Intelligence for Adaptive Educational Technology, Human Computer Interaction, Machine Learning, Computer Networks, Operating Systems, Object Oriented Analysis and Design

SKILLS

Programming Languages: JavaScript, Python, Java, C++, C, MATLAB

Frameworks: React.js, AWS, Express.js, MongoDB, Node.js, Svelte, PyTorch, TensorFlow, MySQL

Other: Git, Agile, HTML/CSS, Final Cut Pro X, German, Spanish

EXPERIENCE

Capital One

Jun - Aug 2024

Software Engineer Intern

McLean, VA

- Incoming Summer 2024

PROJECTS

PhishingHook | PyTorch, Scikit-Learn, Python

Mar - May 2024

- Evaluated the efficacy of a dataset by designing a deep neural network which used 54 features extracted from the url and source code to determine the safety of the website with 99% accuracy

Assessing the Impact of Sediment in Wairarapa Moana | Final Cut Pro X

Aug - Dec 2023

- Produced with 3 other students a 35 minute documentary to explore a surrounding community's changing connection with a polluted wetland in New Zealand to support efforts for change
- Received **1000+ views**, recognition of excellence from the Dean of Global School, and promotion from Māori iwi

DiverTrak | Express, Node, React, JavaScript, MongoDB

Oct 2023

- Built an all in one platform that revolutionizes managing high school springboard diving teams by creating easy access to meet requirements, previous scores, and recruitment videos

ForFundzies | AWS, S3, RDS, Cloud9, React, JavaScript, MySQL

Dec 2022

- Developed with 3 other students a crowdsource funding site where designers funded their creative projects through direct donations and pledges from supporters

LEADERSHIP EXPERIENCE

CSAccess Working Group Member, Computer Science Teachers Association

Aug 2023 - Present

- Evaluated and discussed the accessibility of key tools in K-12 Computer Science curricula with educators
- Collaborated with 5 Senior PMs from Code.org to improve the keyboard navigation of 10 features of Blockly

Campus Representative, NCWIT Aspirations in Computing

Aug 2022 - Present

- Promoted AiC community by presenting to over 300 members of organizations supporting women in STEM
- Organized a reception with **150+ attendees** in collaboration with Campus Reps of MIT, Harvard, and Northeastern

Affiliations: AccessComputing, Rewriting the Code, NCWIT, Upsilon Pi Epsilon, Break Through Tech AI @ MIT