

# Sarah Olson

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## EDUCATION

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**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

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**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

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**Capital One**

**June - August 2024**

Software Engineer Intern

McLean, VA

- Incoming Summer 2024

## PROJECTS

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**PhishingHOOK** | PyTorch, TensorFlow, Python

**March - May 2024**

- Designed with 4 other students a deep neural network model which used 54 features extracted from the url and source code to determine the safety of the website

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

**August - December 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

**October 2023**

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

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

**December 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

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**CSAccess Working Group Member**, Computer Science Teachers Association

**August 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 keyboard navigation of 10+ features of Blockly

**Campus Representative**, NCWIT Aspirations in Computing

**August 2022 - Present**

- Promoted AiC community by presenting to 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