

Megan Williams

COMPUTER SCIENCE AND DATA SCIENCE

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EDUCATION

American University (AU)

August 2022 - May 2026

BS Computer Science (Software Engineering), BS Data Science

- GPA: 3.95/4.0
- Major GPA: 4.0/4.0
- Dean's List, 4 semesters
- Relevant Courses: Software Engineering, Object Oriented Programming, Data Structures and Algorithms, Discrete Structures, Natural Language Processing

SKILLS

- Java
- Python
- Computer Vision
- Git
- CSS
- Azure Active Directory

RELEVANT EXPERIENCE

Mindscale AI

July 2024 - Present

Intern

- Tasked with prompt engineering to leverage large language models for extracting medical necessities from insurance policies
- Conducted quality assurance to ensure the program accurately extracts the correct data from insurance policies

University of Minnesota, Computer Science and Engineering

June 2024 - August 2024

Researcher, Human Computer Interaction

- One of twelve students selected for the University of Minnesota's REU site. Worked directly with Dr. Svetlana Yarosh in their lab focused on computational support for recovering addicts.
- Programmed software in Python using OpenCV and MediaPipe for facial detection to track breathing patterns and alert of possible overdose. Achieved 94% accuracy.
- Designed and implemented user interface for live stream video using HTML, CSS and Javascript.

St. Thomas School

June 2023 - August 2023

IT Intern

- Oversaw imaging, updating and scanning of 400+ student computers.
- Assisted in managing Azure Active Directory and deploying group policies.

LEADERSHIP

Student Ambassador

August 2023 - Present

- Conducted campus tours for 26,000+ prospective students and families providing detailed information about the University's history, academic programs, facilities, and student life.
- Nominated New Ambassador of the Year and Least Likely to Miss a Shift, by my coworkers and supervisors (2023).

Senior Peer Facilitator

- Assisted in the preparation and delivery of course materials for the first year experience course (AUx). Contributed to lesson planning and development of educational resources.

Computer Science Tutor

- Provided one-on-one tutoring sessions for undergraduate and graduate students in the introductory computer science courses. Provided practice problems, lectures and visualizations to appeal to different learning styles.

INVOLVEMENT

Eating Disorder Support Club, Founder and President

- Established The Eating Disorder Support Club, a peer run emotional support group aimed to fostering a community of individuals with similar struggles.
- Outreached to 50+ members and hosted 10 events in the first semester of establishment.

The Outdoors Club, President

- President of the largest club on campus with over 1,300 members.
- Organized and managed 20+ major events annually. Ensured events were well-attended and within budget.