Jackson Donaldson

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EDUCATION

University of Michigan   **Ann Arbor, MI**

B.S.E. in Computer Science, Mathematics Minor   *May 2025*

GPA: 4.0 / 4.0

- Completed courses: Cybersecurity, Computer Organization, Natural Language Processing
- Future courses: Operating Systems, Numerical Methods, Computer and Network Security

WORK EXPERIENCE

Epic Systems   **Verona, WI**

Software Developer Intern   *May 2024 - August 2024*

- Integrated with Azure Document Intelligence to automate processing of handwritten health insurance enrollment forms via OCR
- Rapidly gained competence with React, M, and .NET framework to deliver exceptional results in unfamiliar environments

Battelle Memorial Institute   **Chantilly, VA**

Reverse Engineering and Vulnerability Research Intern   *January 2024 - April 2024*

- Developed capabilities for automotive platform, gaining experience with Bluetooth and CAN technologies
- Received Outstanding Performance Award for work instrumental in winning $200,000 contract

Caesar Creek Software   **Miamisburg, OH**

Software Engineering Intern   *May 2023 - August 2023*

- Collaborated with a partner to reverse engineer and research vulnerabilities of FreeRTOS based IoT device
- Developed skills in using and misusing C++ Windows API calls, Linux Kernel Modules, and embedded ARM Cortex systems

SKILLS

Languages: Python, C, C#, C++, M

Software & Protocols: Ghidra, Bluetooth, Bluetooth Low Energy, SPI, CAN, USB MMC, JTAG

ACTIVITIES

Controls and Navigation Team Lead, UM::Autonomy   *August 2022 - Present*

- Leading fully autonomous boat movement and path planning team

Member, WolvSec Cybersecurity Club   *August 2022 - Present*

- 1st place in WolvCTF 2023 and 2024, University of Michigan division

Member, Michigan Hackers Advanced Web Team   *January 2023 - May 2023*

- Initialized Amazon AWS instances with elastic load balancing to mitigate DDOS attacks