

Jackson Donaldson

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WORK EXPERIENCE

Johns Hopkins Applied Physics Lab
Associate Systems Exploitation Engineer

Laurel, MD
June 2025 - Present

Epic Systems
Software Developer Intern

Verona, WI
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
Reverse Engineering and Vulnerability Research Intern

Chantilly, VA
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
Software Engineering Intern

Miamisburg, OH
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

EDUCATION

Johns Hopkins
M.S. in Computer Science

Baltimore, MD
May 2027

University of Michigan
B.S.E. in Computer Science, Mathematics Minor. GPA: 4.0

Ann Arbor, MI
May 2025

SKILLS AND ACTIVITIES

Languages: Python, C, C#, C++, M, ARM / ARCompact / PowerPC Assembly

Software: Ghidra, QEMU (contributor), Apktool, JADX, AFL / fuzzing, gcc, ld

Protocols: Bluetooth, Bluetooth Low Energy, SPI, CAN, USB MMC, JTAG, UART, AES

Bug Bounty Participant, HackerOne

June 2025

- Discovered and reported high severity remote code execution and trusted boot escape exploit chain in Blink Video Doorbell. See jacksondonaldson.com/blink

Member, WolvSec Cybersecurity Club

August 2022 - May 2025

- 1st place in WolvCTF 2023, 2024 University of Michigan division. Developer in 2025.
- Competed in 2025 ECTF; 3rd of over 100 universities. Gained cryptography experience