

A.J. Futo

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WORK EXPERIENCE

Cybersecurity R&D Intern

Sandia National Laboratories

May 2022 – Present

- Developing tools to automate validation of network configuration and connectivity on an ISP scale.
- Writing policy to help define cybersecurity and networking best-practices across the Executive Branch.

Computer Science Course Staff

University of Central Florida

Aug. 2022 – Present

- Reinforcing concepts including algorithm design and analysis, creative problem-solving, graph theory, etc.
- Assisting students in troubleshooting programs for core algorithms and data structures classes.

Information Technology Support Specialist

University of Central Florida

Oct. 2019 – May 2022

- Providing deskside and remote support to over 150 users in the Offices of the President, Provost, and CIO.
- Troubleshooting and resolving network, software, and hardware issues on Windows and macOS.

EDUCATION

Bachelor of Science in Computer Science

University of Central Florida

3.96/4.00 GPA

Minor in Secure Computing & Networks

Aug. 2019 – June 2023

- **Honors:** President's Honor Roll Fall 2022, Spring 2022, Fall 2021, Spring 2021, Fall 2020, Spring 2020
- **Awards:** NSF CyberCorps Scholarship for Service, UCF Provost Scholarship

PROJECTS

Cloak | Man-in-the-middle packet capture and analysis system

Project Manager & Networking Lead

Sep. 2022 – Present

- Directing full-stack development team including frontend, backend, and device development subgroups.
- Communicating with sponsor to coordinate meetings, present updates, and address concerns or feedback.
- Creating lightweight device to capture inbound and outbound network packets from a specified endpoint.
- Developing algorithms to intelligently analyze packet information and provide comprehensive statistics.

FaceBetter | Privacy-focused social media and instant-messaging platform

Auth API Developer

Oct. 2022 – Nov. 2022

- Leading creation of robust API endpoints to authenticate and authorize users for a web and mobile app.
- Utilizing secure authentication methods and adhering to industry standards for data protection and privacy.

SKILLS

Technologies: Networking, virtualization, software development, zero trust, enterprise cybersecurity, OSINT

Languages: Python, C/C++, Java, JavaScript, HTML/CSS, Bash, PowerShell, Express.js, Node.js

Platforms: Git/GitHub, macOS, Windows, Linux, iOS, AD/SCCM, Ghidra

Cross-Functional: Leadership, project/team management, troubleshooting, problem-solving

CERTIFICATIONS

CompTIA Secure Infrastructure Specialist

Apr. 2022 – Apr. 2025

CompTIA Security+

Apr. 2022 – Apr. 2025

CompTIA Network+

May 2019 – Apr. 2025