

# 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.
- Executing and analyzing cyber-experiments to conduct research on the internet.
- Writing policy and framework to help define cybersecurity, networking, and identity best-practices.

### Computer Science 2 Course Staff

University of Central Florida

Aug. 2022 – Present

- Assisting students in troubleshooting programs for core algorithms and data structures class.
- Holding office hours twice weekly to reinforce concepts including algorithmic strategies, algorithm design and analysis, searching and sorting, creative problem-solving, and graph theory.

### 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 network, software, and hardware issues on Windows and macOS.

## EDUCATION

### Bachelor of Science in Computer Science

University of Central Florida

3.9/4.0 GPA

Minor in Secure Computing & Networks

Aug. 2019 – June 2023

- **Honors:** President's Honor Roll Spring 2022, Fall 2021, Spring 2021, Fall 2020, Spring 2020
- **Awards:** NSF CyberCorps Scholarship for Service, UCF Provost Scholarship
- **Courses:** Computer Science I/II (COP 3502/3503), Matrix & Linear Algebra (MAS 3105), Cryptography & Information Security (CIS 3362), Discrete Structures I/II (COT 3100/4210), Network Security & Privacy (CNT 4403), Topics in Cybersecurity (CIS 4940), Analysis of Computer Communication Networks (CNT 4704)

## CERTIFICATIONS

CompTIA Secure Infrastructure Specialist

Apr. 2022 – Apr. 2025

CompTIA Security+

Apr. 2022 – Apr. 2025

CompTIA Network+

May 2019 – Apr. 2025

## SKILLS

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

**Languages:** Python, C/C++, Java, JavaScript, HTML/CSS, Bash, PowerShell

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

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

## COMPETITIONS

**NSA Codebreaker Challenge 2021:** Finished in top 8%. Network forensics, reverse engineering, PS, etc.

**SNL vs LLNL Cross-Lab CTF:** First place team. Cryptography, PWN, forensics, web, reverse engineering

**DoE Multi-Lab TracerFIRE:** Third place team, first place overall individual scorer. Incident response, forensics.