

Ryan M. Soroka

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EDUCATION

The University of Tampa

Tampa, FL.

Bachelor of Science in Computer Science, Minors: Physics & Mathematics, GPA: 3.6

May 2027

Relevant Coursework: Advanced Data Structures, Software Design & Engineering, Database Management, Web Programming & Development, Computer Network Security, Computer Organization & Architecture, Operating Systems & Systems Programming

EXPERIENCE

The University of Tampa

Tampa, FL.

SOC Level 1 Analyst

September 2026 – Present

- Investigated **Microsoft Sentinel and Defender** security alerts, analyzing authentication and endpoint telemetry to identify anomalous activity and potential account compromise.
- Executed endpoint response actions through **Microsoft Defender for Endpoint**, including full-system scans and device isolation to contain threats and prevent lateral movement.
- Audited **Active Directory** security groups and permissions, removing stale accounts and excessive privileges to enforce least-privilege access.

ITS Technology Support

May 2026 – Present

- Deployed, configured, and maintained **Windows workstations, laptops, printers, peripherals, and software**, performing **imaging, configuration, and hardware upgrades**.

ITS Help Desk

August 2025 – May 2026

- Provided **hardware, software, network, and Active Directory** support.

445th Test Squadron, Electronic Warfare Joint Integration

Edwards AFB, California

System Administrator – Contractor

June 2026 – August 2026

- Led the installation, configuration, and deployment of **SolarWinds Orion** in an air-gapped environment supporting **F-35/F-22 VR testing and electronic warfare simulations**.
- Automated **network device classification and organization** using custom properties, dynamic groups, and queries, eliminating manual administration.
- Developed **SWQL queries, dashboards, and network maps** to track CPU/RAM utilization, temperature, power, network performance, and uptime, enabling **trend analysis and predictive maintenance planning** for device servicing and replacement.

U.S. Air Force Institute of Technology, Center for Cyber Research

Wright-Patterson AFB, Ohio

Immersive Cyber Education (ICE) Intern

July 2025 – August 2025

- Gained hands-on experience in **networking, digital forensics, reverse engineering, ICS security, red teaming, and cyber defense**.
- Completed a multi-day **Hackfest** capstone, building, securing, and attacking networks in simulated cyber operations.

SKILLS

Languages: Java, Python, C, C++, C#, SQL, SWQL, R, TypeScript, JavaScript

Software Development: OOP, Git, RESTful APIs, Databases, Data Structures & Algorithms, React, Node.js

Systems & Security: Linux, Windows, Server Management, Network Security

Tools: SolarWinds, Nmap, Wireshark, Bash, SSH, VMs, Active Directory, Microsoft Sentinel/Defender, SIEM/XDR

PROJECTS & RESEARCH

Mitigating Side-Channel Vulnerabilities in IoT Cryptography — Designed and executed timing attack experiments against AES and RSA implementations (Python, OpenSSL) to quantify IoT-relevant side-channel leakage, then validated constant-time countermeasures across 300+ trials per test.

L.A.S.E.R. Team Rideshare App — Developing a Firebase-based mobile rideshare application with rider/driver interfaces, .edu authentication, real-time ride requests, and status updates.

Tampa Palms Professional Center Website — Developed a database-driven website with dynamic frontend content and backend/API integrations.

C.I.R.T. Database Website — Developed a database-driven research website with dynamic frontend content and Firebase RBAC.