

Andrew McDonald

<https://www.linkedin.com/in/andrew-mcdonald-it/> | Tacoma, WA 98402 | (425)-419-8624 | atmcdon@uw.edu | <https://github.com/atmcdon/>

EDUCATION

Bachelor of Science Information Technology

University of Washington Tacoma, WA
Major: BS Information Technology
GPA 3.8
Graduation Date: June 2025

Associate in Network Services & Computing Systems

Bellevue College, WA
GPA 3.8
Graduation: June 2022

COMPUTER SKILLS

Languages:

C# · ASP.NET · Python · SQL · HTML · CSS · JavaScript · Java · Bash

Systems & Administration:

Windows & Linux Administration · Windows Server · ISS · Active Directory · Group Policy · DHCP/DNS · Ubuntu · RHEL · VMware

Networking & Security Tools:

Troubleshooting Networks · Firewall Management · pfSense · VPN · Snort · Wireshark · SELinux · AppArmor · Splunk · DHCP · DNS · VLAN · VoIP · IP Routing · TeleCommunications · Wireless optimization · Threat Modeling (MITRE ATT&CK, STRIDE)

Cloud & Business Platforms:

Azure · AWS · Office 365 · Salesforce · Tableau

Database & APIs:

SQL Server · MySQL · REST APIs · Data Analysis

IT Support:

Network Configurations · End-user Support · Microsoft365 · Disaster Recovery · SharePoint · Forensics investigations · Communication · Attention to detail

EXPERIENCE

Information Technology Technical Instructor

University of Washington Tacoma, WA | Sept 2024 – Present

- **Skills Used:** Teach Networking, Programming, System Administration, Linux, Compliance, and Hardware(Router and Switches).
- **Team:** Provide one-on-one support and mentor students in IT fundamentals.
- **Outcome:** Increased student engagement and technical skills through practical instruction.

AI Security Compliance – U.S. Air Force

University of Washington Tacoma, WA | Sept 2024 – Present

- **Skills Used:** Created AI-driven compliance checklists using regulatory documentation.
- **Team:** Worked with stakeholders to align AI outputs to military standards.
- **Outcome:** Saved ~10 hours/week and improved compliance accuracy through automation.

Security Operations Center Intern

Arizona Cyber Initiative (VIVID), Remote | June 2024 – Aug 2024

- **Skills Used:** Researched SOC infrastructure for rural communities.
- **Team:** Collaborated with NSA advisors and cybersecurity peers, using Atlassian Confluence and Google Docs.
- **Outcome:** Helped develop a rural SOC framework to expand cybersecurity access.

End User Support & AI Intern

The Boeing Company, Remote, WA | June 2024 – Sept 2024

- **Skills Used:** Built a C# ASP.NET Core app and SQL, automated workflows with Python, Tableau, and Gen AI.
- **Team:** Worked cross-functionally on hackathons and CTF events.
- **Outcome:** Streamlined support processes and enhanced data visualization tools.

Network Engineer Intern

Tandem Cyber, Remote, WA | March 2024 – June 2024

- **Skills Used:** Deployed nested virtualization using Proxmox, VMware, and pfSense.
- **Team:** Collaborated with engineers to build secure network labs.
- **Outcome:** Produced technical documentation improving lab scalability.

Aircraft Technician and Inspector

The Boeing Company, Seattle, WA | July 2019 – Feb 2022

- **Skills Used:** Inspected aircraft systems, enforced SOPs, and managed repairs.
- **Team:** Led a team of 8 mechanics and liaised with customers.
- **Outcome:** Cut repair times by 50% and improved safety compliance.

Aircraft Engine Mechanic (Security Clearance Holder)

U.S. Marine Corps, Havelock, NC | Feb 2014 – May 2019

- **Skills Used:** Inspected and maintained classified aircraft systems under strict SOPs.
- **Team:** Led a 15-person team managing deployments and maintenance.
- **Outcome:** Ensured mission success and maintained security standards under high-pressure conditions.

COURSE WORK

Relevant Academic Coursework (Hands-On Labs):

- Linux System Administration (Ubuntu, Fedora, Bash)
- Windows Server Administration (Active Directory, DHCP, DNS)
- Digital Forensics & Disaster Recovery
- Threat Modeling & Risk Analysis (MITRE ATT&CK, STRIDE)
- Cybersecurity Compliance (NIST, HIPAA, CIS)

HONORS

Corporals Leadership Course, 2018

Annual Dean's list, 2023-2025

ACTIVITIES

Cyber Security & Aviation Club President, June 2024 - Present

Church Volunteer, Jan 2021 – Present

Hack-the-Box CTF 2024

Cyber Security Conference activist

Developing Full Stack .NET application for the non-profit Green River Coalition'