

Scott Catlin

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WORK EXPERIENCE

Wisconsin Air National Guard

Jul. 2012 – Present

F-35 Communications Program Manager/Network Operations Technical Sergeant

Madison, WI

- The 115th Fighter Wing is an Air National Guard base flying F-16 fighter aircraft to support operational readiness. The base is currently undergoing conversion to the new F-35 combat aircraft. (www.115fw.ang.af.mil)
- Manage communications/information technology requirements for Truax Field's \$122M conversion to F-35s
- Repair, maintain, and augment base computer network infrastructure supporting over 1,100 users
 - Created a ten-fold increase in bandwidth through installation of two telecom circuits
 - Coordinated installation of miles of fiber optic and copper cabling to support base needs
- Supervise peers and subordinates in on-the-job training and real-world tasks related to computer networking
- Deployed as Communications Lead to NAS Sigonella, Italy in support of Operation Odyssey Lightning
- Deployed as Information Security Officer to Saudi Arabia in support of Operation Inherent Resolve

Epic Systems

Sep. 2018 – May 2019

Integration Engineer

Verona, WI

- Provided technical services for electronic health record interfaces used by over 22,000 medical professionals
- Coordinated interface implementation for a university healthcare network to incorporate a remote hospital
- Developed code to fix issues with handling routing and reporting errors within EHR interfaces

Intel Corporation

Jun. 2016 – Aug. 2016

Design Automation Technical Intern

Hillsboro, OR

- Led API development for automatic test pattern generation (ATPG) and analysis of microprocessor designs
- Reduced the reliance from design engineers on ATPG experts, streamlining the entire design process

Transcend UW

Apr. 2014 – May 2017

Marketing Lead

Madison, WI

- Organized first and second Transcend Madison events, annual innovation competitions with over 30 teams
- Lead marketing team of four to raise \$40K in funding from UW-Madison, local companies, and corporations

EDUCATION

University of Wisconsin-Madison

May, 2017

BS, Computer Engineering

Madison, WI

- **Distinctions** Dean's List 6 Semesters; Leadership Certificate; Cumulative GPA 3.2/4.0; Major GPA 3.5/4.0
- **Capstone Project** Cash-Bringing Hasher
 - Led team of five to develop an FPGA-driven, pipelined cryptocurrency miner with a Windows GUI
- **Independent Project** Jet-Propelled Bicycle
 - Engineered mounting and fuel system for jet engine, coded throttle response, wrote operation checklist

SKILLS & INTERESTS

- **Programming/Technology:** Python, Java, C, Tcl, Verilog, MUMPS; FPGAs; network administration and security; artificial intelligence; computer architecture; digital design/synthesis
- **Skills:** leadership, teamwork, project management, effective communication
- **Aviation:** Private Pilot License with Instrument Rating and Complex Rating, 220+ flying hours
- **Certifications:**
 - TS/SCI Clearance – January, 2013
 - CompTIA Security+ CE Certified – July, 2013
 - Cisco Certified Network Associate (CCNA) – August, 2022
- **Interests:** Experimental Test Aviation, Distance Running, Fly Fishing, Bird Hunting, Tennis, BMW Restoration