

# PAUL L. JORDAN

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## EDUCATION

**Air Force Institute of Technology** Wright-Patterson AFB, OH • Master of Science in Computer Science, 2016  
Cumulative GPA: 3.96/4.00

**University of Akron** Akron, OH • Bachelor of Science in Computer Science, 2011  
Cumulative GPA: 3.27/4.00

**Community College of the Air Force** Montgomery, AL • Associate of Applied Science, 2010

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## WORK EXPERIENCE

**315th Cyberspace Operations Squadron, Ft George G. Meade, MD** (Aug 2019 - Present)

**Cyber Attack Operator**

- Details undergoing pre-publication review

**Cydefe Labs** (Aug 2015 - Present)

**Chief Technology Officer**

- Develop and maintain automated virtual cyber security skills training environments
- Designed and implemented auto-scaling Go application for provisioning environments and securely connecting users via VNC and TTY in browser
- Maintain production Docker swarm in AWS cloud serving hundreds of customer requests per day

**390th Cyberspace Operations Squadron, San Antonio, TX** (Sept 2016 - Aug 2019)

**Cyber Attack Operator**

- Details undergoing pre-publication review

**Air Force Space Command Cyberspace Support Squadron, Scott AFB, IL** (Aug 2013 - Aug 2015)

**Cyber Warfare Operations Officer**

- Technical requirements lead for IT wired/wireless transport, Voice over IP, Video Teleconference, and Desktop Collaboration upgrades.
- Developed Air Force strategy for transitioning 117 bases from legacy voice equipment to Voice over IP.
- Created IT spending waiver request tracking web application.

**United States Air Force, Cyber Officer Qualification Training** (Jul 2012 - Aug 2013)

**Student**

- Intermediate Network Warfare Training, Hurlburt Field, FL (May 2013 - Aug 2013)
  - Graduated #1/37 with 100% academic average
- Undergraduate Cyber Training, Keesler AFB, MS (Sept 2012 - May 2013)
  - Graduated top 10% with 92% academic average
- Officer Training School, Maxwell AFB, AL (Jul 2012 - Sept 2012)

**CTI, Akron, OH** (May 2011 - Jul 2012)

**Software Engineer**

- Independently developed cross-platform User Interface currently deployed worldwide using GTK+ framework.
- Maintained and developed PHP/Javascript web application written using the extJS framework.
- Maintained and developed a data acquisition application in C.

**121st Security Forces Squadron, Rickenbacker ANGB, OH** (May 2006 - Jul 2012)

**Security Forces Journeyman**

- Provided security for KC-135 aircraft and base personnel.
- Deployed in support of Operation Enduring Freedom to Eskan Village, Kingdom of Saudi Arabia.
- Deployed in support of Operation Enduring Freedom to Subic Bay, Philippines.
- Provided technical support as a client support administrator for user workstations.

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## SKILLS

- Proficiency using compiled languages including C, C++, Java, C#, Objective C, swift, Go, and Rust
- Proficiency in application scripting including Python, bash, ruby
- Experience using and reversing Assembly (Atmel, x86, x86\_64, and ARM)
- Experience using advanced deep learning techniques in Matlab, R, and Python
- Experience training and using deep learning algorithms like RNNs/LSTMs, ANNs, SVMs, LDA/QDA
- Proficiency building, maintaining, and deploying Docker containers for production, development, and testing
- Proficiency deploying and maintaining production systems using with Docker Swarm, and Portainer
- Experience with CI/CD pipelines using Jenkins, and Gitlab-CI
- Familiarity deploying and maintaining Kubernetes clusters
- Proficiency with web technologies including HTML5, CSS/SCSS, JavaScript

- Experience using front-end web frameworks like angular, vueJS, ReactJS
- Working level knowledge using backend databases such as MySQL, MongoDB, Postgres, and sqlite
- Experience with web application framework development using Django, Tornado, Flask, Ruby on Rails, Node.js
- Experience with advanced debugging and exploit development in x86, x86\_64, and ARM
- Experience using advanced debugging tools like gef, peda, pwntools, immunity debugger
- Familiarity with computer architecture, virtualization, reverse engineering
- Experience doing packet analysis, cryptanalysis, static and behavioral malware analysis
- Strong leadership experience, communication and interpersonal skills
- Experience teaching complex concepts and developing training scenarios and environments
- Experience with classified systems, U.S. Top Secret/SCI security clearance, 14 years of Federal service

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#### CERTIFICATIONS

- Offensive Security Certified Professional (OSCP); 2020, Certificate ID: OS-101-21294
- GIAC Certified Exploit Researcher and Advanced Penetration Tester (GXPN); 2020 - Present, Analyst Number: 2402
- Certified Information System Security Professional (CISSP); 2014 - Present, Member Number: 482166
- GIAC Certified Incident Handler (GCIH); 2013 - 2017
- CompTIA Security+; 2012 - 2016

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#### SELECTED HONORS AND AWARDS

- Junior Officer of the Year 2018, Joint Force Headquarters Cyber, Air Force
- Distinguished Graduate, Master of Science in Computer Science, Class of 2016, Air Force Institute of Technology, U.S. Air Force.
- Excellence in Government Award 2015, Greater St. Louis Federal Executive Board (individual professionalism award recognizing 10 federal employees per year from a 40K pool).
- Junior Officer of the Year 2014, Headquarters, Air Force Space Command, U.S. Air Force.
- Distinguished Young AFCEAN 2014, Heartland Region, Armed Forces Communications and Electronics Association
- Distinguished Graduate, Intermediate Network Warfare Training (#1/37), 39th Information Operations Squadron, U.S. Air Force.
- Order of Thor, Military Cyber Professionals Association