Joshua T. Pritchett

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EDUCATION

Worcester Polytechnic Institute (WPI)
M.S. in Computer Science (2015 - 2017)

Keene State College (KSC)
B.S. in Computer Science (2012 - 2015)

EXPERIENCE

The MITRE Corporation
Product Manager, Kessel Run (November 2018 - Present)
Software Engineer (July 2017 - November 2018)
- Grew a mission reporting tools operational use from 1 Air Operations Center and ~400 users to 6 Air Operations Centers and ~4200 users over Q2 2019. Achieving the first centralized and globally accessible mission reporting tool in the Air Force
- Launched a security engineering team, hiring and training 6security engineers which reduced average security assessment times by 75% and the number of security vulnerabilities found within products by 50%
- Led a software engineering team of 8, which developed a rapidly deployable disconnected PaaS and IaaS environment used by 10 product teams saving ~$1.2M
- Launched one of the first Department of Defense (DoD)/US Air Force (USAF) open source DevSecOps projects. which lead to increasing average deployments by 40%, reducing deployment lead times by 30% and is used by 3 organizations (USSOCOM, EGS, and JCC2)

Worcester Polytechnic Institute
Teaching & Research Assistant (August 2015 - May 2017)
- Taught courses for Advanced Program Design, Systems Programming, Operating Systems, Networking, and Software Security Engineering
- Built a software-defined networking system that provided enterprise security to residential devices earning Dr. Craig Shue a $507,600 National Science Foundation CAREER award

Wayfair
Software Engineering Intern (June 2016 - August 2016)
- Developed a system that reduced external partners (Walmart and Target) item listing errors by 15% week over week

AWARDS

- **Catalyst Award (MITRE):** 1 of 2 of the first employees to receive this award at out of 300 in the department for successfully starting new customer work
- **Graduate Assistantship (WPI):** Awarded as the only masters student in a lab of 5 PhD candidates to teach and advance research in computer security
- **Ronald A. Tourgee Computer Science Recognition Award (KSC):** Given to 1 student out of ~600 each graduating year for professional promise and excellent scholastic achievement in the computer sciences

ADDITIONAL INFORMATION

- **Languages:** Python, Ansible, Bash, JavaScript, Java, C
- **Technologies:** OpenShift, Kubernetes, Ansible, VMWare, Concourse, Jenkins, React
- **Product:** Lean Principles, User-centered Design (UCD), Extreme Programming (XP)