Jacob M. **Shodd**

Programmer · Security Enthusiast

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Education

Westminster College	*New Wilmington, PA*
Bachelors of Science in Computer Information Systems	*Aug. 2013 - May. 2017*

Experience

IT Intern — *New Castle, PA*
Treloar and Heisel — *Aug 2016 - Current*
- Performed a complete security and risk assessment on the company
- Scanned network for vulnerabilities with Nmap and Metasploit
- Wrote Python scripts to automate multiple common and time consuming tasks

IT Intern — *Pittsburgh, PA*
Thales Transport and Security Inc. — *May. 2016 - Aug. 2016*
- Wrote a Powershell script to automate common Active Directory tasks
- Designed a diagram of the server room including all connection paths in Visio
- Handled all incoming help request tickets for an office of 90 employees

Penetration Tester — *Westminster College*
Senior Capstone Project — *Aug 2016 - Current*
- Used tools like Metasploit, Nmap, Hashcat, BURP suite, Ettercap
- Tested systems such as NFS, VNC, Kerberos, Apache, RPC, LDAP
- Searched for vulnerabilities specific to the college Unix Lab

Business Owner — *New Wilmington, PA*
Control Alt Elite — *Oct. 2015 - May. 2016*
- Performed various tasks including virus removal, data recovery, and hardware replacement
- Assisted customers in determining the best solutions for their needs or situations

Projects

Home Lab	Configured a virtual network using a pfsense router and multiple linux distributions as hosts
Python	Created program to log guests by swiping ID cards, running on touchscreen raspberry pi kiosk
Clojure and SmallTalk	Developed server-side web applications in both languages to generate html and styling

Skills

Python • Bash • Linux • Go • SQL • Git • C++ • Java • TCP/IP

Extracurricular Activity

Enactus — *Westminster College*
Web Designer — *Jan. 2017 - Current*
- Designed an online forum to connect local businesses with talented individuals looking for work

Westminster Tiny House Project — *Westminster College*
Technology and Networking Team Lead — *Aug. 2016 - Current*
- Tead a team integrating technology like routers, access points, and key-card access

Social Fraternity — *Westminster College*
Vice President of Membership Development — *Nov. 2015 - Nov. 2016*
- Created a membership development program to teach members professional skills and prepare them for life after college