

# Jacob M. Shodd

PROGRAMMER · SECURITY ENTHUSIAST

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## Education

### Westminster College

BACHELORS OF SCIENCE IN COMPUTER INFORMATION SYSTEMS

New Wilmington, PA

Aug. 2013 - May. 2017

## Experience

### IT Intern

TRELOR AND HEISEL

New Castle, PA

Aug 2016 - Current

- Wrote Python scripts to automate multiple common and time consuming tasks
- Implemented Javascript in fill-able PDF forms
- Assisted less technical users with common issues and tasks

### IT Intern

THALES TRANSPORT AND SECURITY INC.

Pittsburgh, PA

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

### Business Owner

CONTROL ALT ELITE

New Wilmington, PA

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

### Penetration Tester

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

## Skills

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

## Projects

<b>Clojure and SmallTalk</b>	Developed a server-side web applications in both languages to generate html and styling
<b>Python</b>	Created program to log guests by swiping ID cards, running on touchscreen raspberry pi kiosk
<b>Android</b>	Developed a full touch based maze game on the android platform for phones and tablets
<b>Security</b>	Designed a full security plan for a hypothetical company

## Extracurricular Activity

### Enactus

WEB DESIGNER

Westminster College

Jan. 2017 - Current

- Designing an online forum to connect local businesses with talented individuals looking for work

### Westminster Tiny House Project

TECHNOLOGY AND NETWORKING TEAM LEAD

Westminster College

Aug. 2016 - Current

- In charge of leading a team in integrating the tiny home with the College network
- Coordinating with college faculty to incorporate key-card based access for the home