

Jacob M. Shodd

PROGRAMMER · SECURITY ENTHUSIAST

☎ (+1) 724-510-6059 | ✉ jacobshodd@gmail.com | 🏠 www.jacobshodd.com

Education

Westminster College

BACHELORS OF SCIENCE IN COMPUTER INFORMATION SYSTEMS

New Wilmington, PA

Aug. 2013 - May 2017

Experience

IT Technician - Quality Assurance

BLACK KNIGHT FINANCIAL SERVICES

Sharon, PA

March 2017 - Current

- Utilized the Microsoft Test Management suite to perform manual software testing
- Wrote detailed bug reports describing the error and the steps needed to recreate it
- Reviewed changes in C# code when performing tests to identify possible causes for error

Penetration Tester

SENIOR CAPSTONE PROJECT

Westminster College

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

IT Intern

TRELOAR AND HEISEL

New Castle, PA

Aug. 2016 - March 2017

- Performed a security assessment and discovered three critical operational vulnerabilities
- Reduced time required to run monthly financial reports by 97% using Visual Basic in Excel
- Wrote Python scripts to automate multiple administrative and tedious 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

Projects

- | | |
|------------------------------|--|
| Python | Created program to log guests by swiping ID cards, running on touchscreen raspberry pi kiosk |
| GoLang | Wrote both client and server applications for a concurrent and encrypted TCP/IP chat application |
| C++ | Programmed an omnidirectional robot to navigate a maze and blow out a candle |
| SQLite | Created a simple user interface for a SQLite database using Golang and G-ORM |
| Home Lab | Configured a virtual network using a pfSense router and multiple linux distributions as hosts |
| Clojure and SmallTalk | Developed server-side web applications in both languages to generate HTML and styling |

Skills

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

Extracurricular Activity

Enactus

WEB DESIGNER

Westminster College

Jan. 2017 - Current

- Designed 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

- Lead a team integrating technology like routers, access points, and key-card access

Social Fraternity

VICE PRESIDENT OF MEMBERSHIP DEVELOPMENT

Westminster College

Nov. 2015 - Nov. 2016

- Created a membership development program to teach members professional skills and prepare them for life after college