

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

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

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

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 an encrypted TCP/IP chat application

C++ Programmed a robot to navigate a maze using a LIDAR optical sensor and put 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