JONATHAN VARGAS

Analyst, Developer, Penetration Tester

PROFESSIONAL SUMMARY

Problem-solving penetration tester and information systems analyst certified in Security+ and OSCP. Authored various network security methodologies and developed results-driven automated software with SQL and Java. Committed to leading the next generation of cyber security professionals.

CONTACT

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San Antonio, TX

11JonathanVargas11@gmail.com

https://vargasportfolio.github.io/

EDUCATION

BBA | Cyber Security, Information Systems

University of Texas at San Antonio

CERTIFICATIONS

CompTIA Security+

Offensive Security Certified Professional (OSCP)

SKILLS

Penetration Testing

Database Management

UNIX

Systems Administration

Active Directory

Network Security

Web Application Security

Object-Oriented Programming

Web Development

Shell Scripting

EXPERIENCE

Cyber Security CTF Organizer

Self | San Antonio, TX | August, 2020

- Executed an open capture-the-flag competition for members of the Try Hack Me and Hack The Box ethical hacking communities. Two teams of five members were tasked with exploiting a remote server, gaining access, then establishing tighter security controls in order for the opposing team to fail at breaching entry.
- Assembled a collection of three exploitable machines containing vulnerabilities in line with the Open Web Application Security Project's (OWASP) top ten security risks.
- Researched real-world security compromising incidents and integrated recent exploits into the competition's vulnerable machines.

SQL Developer

Ward North American | San Antonio, TX | February 2020 to August 2020

- Optimize MS SQL reporting scripts for lower data retrieval latency.
- Debug live SQL reports for misreported values.
- Collaborate with various department managers to build new tables and reports that fit the department's requirements.
- Write over 5,000 lines of code monthly to adjust for the company's changing data management practices.

President

UTSA Swing Dance Society | San Antonio, TX | May 2019 to May 2020

- Headed a student-led organization to preserve the social dance and culture of the swing jazz era
- Orchestrated weekly dance instruction
- Cultivated a Board of Executives
- Partnered with community and intercollegiate organizations

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APPLICATIONS

pfSense

Active Directory

Snort

RED TEAM STRENGTHS

Web App Exploitation

File Misconfigurations

Windows and Linux Buffer Overflow

Active Directory

Social Engineering

LEADERSHIP STRENGTHS

Builds Partnerships

Drives Change

Collaborates

Enables and Motivates

Innovates

Develops Self and Others

IT Intern

Ward North American | San Antonio, TX | March 2019 to February 2020

- Spearheaded the development of aggregation software to understand sales trends
- Developed two complex SQL and JDBC algorithms to fully automate corporate budget analysis
- Inspired the prototyping of Ward University: a learning management system for small corporations.
- Collaborated closely with cloud service provider to ensure network reliability.
- Offered expert IT troubleshooting and consultation for software and hardware solutions.
- Gained experience using Wireshark to monitor network activity and identify network issues.
- Developed automated emails to be sent out to customers and agents.

Cyber Security Intern

Alamo City Engineering Services | San Antonio, TX | 7/17 - 3/18

- Acquired industry hands-on open source intelligence experience through utilizing deep web data crawling APIs.
- Collaborated with a team to delegate tasks and develop strategies to implement information system automation software.