Lilly Chalupowski

Security Application Developer - Threat Intelligence

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Summary

In Cyber Security it's important to be versed in many different skill sets. To facilitate this skill set I've taken all Advanced Placement courses throughout High School and achieved Honors, took one year of Computer Science and four years of Engineering throughout University, have taken an additional nine courses in correspondence highlighting on White Hat Hacking,

Web Application Security Testing, Security+ and Networking, also continuing my technical knowledge by reading books like The Shellcoders Handbook, Hacking the Art of Exploitation and Web Application Hackers Handbook.

I'm familiar with the PCI Compliance methodology and I'm able to determine if a business meets SAQ A, B, C or D. I'm able to work with ASV's to get external scans completed that meet compliance requirements as well.

I've done public relations as well delivering presentations to the consumer market as well as the private sector at the Atlantic Security Conference. These presentations include live hacking demonstrations and remediation proof of concept work. These demonstrations have included Lock Picking, SQL Injection, Buffer Overflows, Remote Exploitation, Malware, WiFi Exploitation, XSS, and more.

I also make hacking tools in my spare time one called Chameleon and one called Badger. Chameleon is a base64 Stenography Tool with Advanced Key Options and can be incorporated into AV Evasion Projects, Badger is a Windows Exploit Development Tool designed to allow easier enumeration of DEP, SEH, and ASLR protections.

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Skills

- C
- Reverse Engineering
- gcc
- HTML
- Linux
- MySQL
- Heap Overflows
- Information Security
- Microsoft Office
- PE File Structure
- SQLi
- Web Application Security
- Threat Intelligence
- EDR

- C++
- Yara Rules
- Bash
- CSS
- Gentoo
- Buffer Overflows
- Format Strings
- Bootstrap
- Troubleshooting
- RIFF
- XSS
- NDA
- NIDS
- Web Design

- Python
- Data Forensics
- JavaScript
- ELisp
- PostgreSQL
- ROP Chains
- Apache
- Networking
- Public Speaking
- Subnetting
- C TCP Programming
- Malware Analysis
- LIDS
- Social Engineering

Experience

2017 - Present	GoSecure - Security Application Developer	Dartmouth, Canada

- Aggregation of Threat Intelligence
- Yara Rules
- Sandbox Cluster
- Malware Analysis
- Reverse Engineering
- Writing NIDS / LIDS Rules
- PostgreSQL DBM
- Programming Custom API

2016 - 2017	GoSecure - Cyber Security Analyst	Dartmouth, Canada

- NIDS
- LIDS
- Managing EDR Systems
- Log Analysis
- Standard Operating Procedures
- SOC

2014 - 2016	Sykes - Systems Security Technician	Bridgewater, NS, Canada

- Removal of Root-Kits, RATs and other Malware
- Developed SSDP Vulnerability Scanner for several CVE Database items
- Resolved technical issues involving network system accessibility and stability
- Troubleshooting client software and security issues
- Using CRM and Web UI databases for client data and documentation
- Reviewing Event Logs and other Error Logs
- Processed feature requests for computers, including maintained upgrades for Windows 10
- Administrated network systems remotely, such as computers and various network devices

| 2014 - 2014 | Freelance - File Restoration Programmer | Dartmouth, NS, Canada |

- Restored Corrupted file headers for RIFF file format
- Coded in C++ using file i/o
- Restored all original audio from what was recovered
- Mixed and mastered the recovered tracks
- Worked with client and set expectations of data recovery

| 2012 - 2012 | HB Studios - Audio Designer | Lunenburg, NS, Canada |

- Use of internal audio development software by EA
- Developed internal debug GUI tool for QA Testers using Win32 API
- Use of internal game compilers
- Debugging and troubleshooting
- Designing and implementing game audio
- Sound-file database management
- Microsoft Office
- Testing game builds for quality purposes

| 2011 - 2011 | 89.3 KRock - Audio Producer | New Minas, NS, Canada |

- Operating control room
- Voice over post-production
- Sound discrimination, data entry
- Operated pre-amps, vocal booths, Adobe Audition, and RCS computer server
- Operated controls for remote talent
- Mixing and Mastering Advertisements for Clients

Education

2016 - Present	Udemy Academy - Continuing Security Education	Online

- Cyber Security
- Cyber Security Law
- White Hat Hacking and Penetration Testing
- Mastering Python Networking and Security
- Certified Whit Hat Hacker Level 2
- Networking for Amazon's AWS Cloud
- Avoiding Scams
- Certified Web Application Security Tester
- Cyber Security - Devry University
- Private Investigator Ethics
- CompTIA Security+

2005 - 2010	Acadia University - Audio Engineering, Computer Science, Sociology Minor	Wolfville, NS, Canada

- Computer Science
- Physics
- Java Programming
- Microsoft Office Certification
- Business Mathematics

1998 - 2005	Bridgewater Jr/Sr High School - Advanced Placement	Bridgewater, NS, Canada

- AP Physics
- AP Mathematics
- AP Biology
- English
- French
- History
- Physical Education
- Typing Class

Volunteer

2010 - 2014   Eastlink TV - Volunteer   Sackville, NS, Canada

- Running XLR Cables
- Troubleshooting Signal Loss
- Operating Production Truck Mixer
- Heavy Lifting of Production Gear

2009 - 2009   Smile Program - Acadia University   Wolfville, NS, Canada

- Helping Children Cope with Disabilities
- Managing Large Groups of Children
- Leading Group Activities

1998 - 1998   4H - Volunteer   Wileville, NS, Canada

- Highway Cleanup
- Fundraising for Low Income Families
- Public Speaking and Presentations