

Hunter J. Gregal

Alexandra, VA | (856) 873-2200 | Active Security Clearance
huntergregal@gmail.com | github.com/huntergregal | huntergregal.com

EDUCATION

Champlain College*, Burlington, VT	May 2017
Bachelor of Science in Computer Networking and Cybersecurity	3.9 GPA
<ul style="list-style-type: none">• Specialization in Cybersecurity, Minor in Digital Forensics• President, Computer Networking and Information Security Club• ITS Division Senator, Student Government Association	

TECHNICAL SKILLS

- Bash, Java, PHP, Python (preferred), C (preferred), x86, ARM
- Linux Internals (userspace and kernel)
- Web Application Exploitation
- Fuzzing
- Vulnerability Research (binary and opensource)
- Exploit weaponization and development
- Penetration Testing Methodologies
- Reverse Engineering (IDA and Ghidra experience)
- Virtual Environments
- Debugging

PROFESSIONAL EXPERIENCE

Raytheon CODEX/SI, Arlington, VA	June 2017 -- Present
Cyber Engineer	
<ul style="list-style-type: none">• Performed mission-critical vulnerability research on a large variety of targets for customers. Technologies include:<ul style="list-style-type: none">○ Windows Applications○ Embedded *nix based devices○ Modern Android-based systems○ ARM, x86, MIPS, POWERPC, C, C++ applications and targets○ Closed source binaries, services, and system○ Popular opensource and widely used software• Developed fully weaponized exploits in C and Python ready for field use and integration into existing frameworks• Discovered and implemented novel persistence techniques across various hardware devices and architectures• Performed live demos of developed exploits and tools for customers	
NuHarbor Security, Burlington, VT	June 2015 – 2017
Security Engineer; Cybersecurity Intern	
<ul style="list-style-type: none">• Conducted both network and application penetration tests for clients• Assisted in conducting professional security audits and assessments for clients against frameworks such as ISO 27001, ISO 27001, and NIST Cyber Security• Drafted detailed technical reports with findings from penetration tests and assessments• Wrote catered Proposals in response to Request for Proposals (RFPs) for government and private entities• Developed tools and programs utilizing Python, Python-Flask, PHP, and bash• Performed vulnerability assessments of web applications using various technologies such as Python, Java, PHP, .Net	
Senator Patrick Leahy Center for Digital Investigation, Burlington, VT	September 2013 – May 2015
Network Administrator	
<ul style="list-style-type: none">• Managed a Windows domain controller with approximately 50 users• Tasked with maintaining both a research network and an air-gapped forensics network• Deployed and maintained multiple virtual server environments (ESXi)• Oversaw a project team of 3 student researchers working on implementing distributed hash-cracking solutions• Built and deployed an internal phishing campaign audit on 50+ employees• Assisted in creating compressive documentation for user policies• Diagnosed/fixed computer hardware and software related issues• Implemented automated data backup solutions• Aided in a senior research project that investigated large-scale deployment of Google Rapid Response (GRR)	

(Older work history available upon request)

Notable ACHIEVEMENTS and ACTIVITIES

7 th Place in "Hack-A-Sat" Quals CTF	2020
<ul style="list-style-type: none"> Qualified for Hack-a-Sat finals along with my team "PwnFirstSearch" (PFS). 	
Unofficial 1 st place in PicoCTF 2019	2019
<ul style="list-style-type: none"> Discovered and reported vulnerability in competition infrastructure allowing me to steal all flags 	
Defcon 26 Finals, Las Vegas Nevada	2018
<ul style="list-style-type: none"> Qualified for and competed in Defcon 26 CTF Finals with the team "Spaceballs" 	
MimiPenguin (CVE-2018-20781)	2017
<ul style="list-style-type: none"> Researched and developed popular pentesting tool "MimiPenguin". 	
North Eastern Collegiate Cyber Defense Competition, University of New Hampshire	March 2016, '15, '14
<ul style="list-style-type: none"> Tasked with maintaining and defending a network and its services from a team of industry professionals Won 3rd place along with 7 other team members (2016) Won 2nd place along with 7 other team members (2014) First Freshmen student to compete on the Champlain College NECCDC Team 	
Other notable Capture the Flag Competitions	2013 - Present
<ul style="list-style-type: none"> Compete in Capture the Flag Cybersecurity Offensive Competitions building teamwork and problem solving skills in a fast paced environment – keeps knowledge up-to-date and relevant Events include: CSAW, PlaidCTF, Google CTF, TokyoWesterns, OCTF, Hitcon, and more 1st Place SarCTF 2020 (PFS) 25th Place Defcon CTF Qualifier 2020 (PFS) 3rd Place Byte Bandits CTF 2020 (PFS) 4th Place SpamAndFlags 2020 5th Place B01lers CTF 2020 (PFS) 1st Place Blaze CTF 2019 (Nasa Rejects) 2nd Place Sunshine CTF 2019 (Nasa Rejects) More available upon request 	
Student Employee of the Year	2015
<ul style="list-style-type: none"> Received Champlain College's first Student Employee of the Year reward 	