Nick Frichette

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Education and Certifications

Illinois State University   May 2017
Bachelor of Science, **Computer Science**
Cumulative GPA 3.54/4.00
Major GPA 3.66/4.00

GPEN – GIAC Penetration Tester   November 2017 – November 2021

Technical Skills

- Professional experience with Python, PowerShell, JavaScript, Java, C/C++, Flask
- Exposure to MongoDB, Docker, Django, Node.js, Express.js

Professional Experience

State Farm Insurance: Security Analyst/Developer   June 2017 – Present

- Discovered and disclosed a 0-Day vulnerability in a widely used vendor product
- Developing technologies used in Red Team Operations
- Performing penetration testing to identify vulnerabilities in the environment
- Creating prototype attack tools based on public POCs
- Mentored interns through the Internship Speech Program

State Farm Insurance: Security Analyst/Developer – Intern   May 2016 – June 2017

- Designed and implemented a system to detect false positive vulnerability scans
- Developed automation to save team member's time
- Planned penetration test cases
- Created process documentation

Awards and Accomplishments

2017 P0wn the Machine Winner
Was a first place winner of a yearly hacking competition. Placed first out of over 60 professional Security Analysts. This year's goal was to exfiltrate data without triggering data loss prevention systems.

HackDay 2017 Winner
Was a winner of State Farm's 2017 Hackathon. I developed a prototype that could detect spear phishing emails using a Bayesian Classifier. The Machine Learning algorithms accurately detected phishing 87% of the time.

Deans List (Multiple)
Earned a spot on the Deans List multiple times after earning outstanding grades.

Open Source and Community Projects

Github, Maintains/Contributes to Open Source Projects

- Specter: A prototype cryptocurrency to help people learn about Blockchain
- Personal Website: Full MEAN stack, hosted on Digital Ocean

Blog

- Frequently writes on a variety of topics related to programming and security

VulnHub

- Developed and submitted Bulldog 1, a vulnerable (on purpose) VM to teach about web application security. Was accepted and published on the VulnHub platform. I am also developing a sequel.