Ian Kilty

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Education

Colorado State University — Fort Collins
Bachlors in Computer Science, Networking and Security — Aug. 2022 - Present
Bachlors in Mathematics, Computational Mathematics
Minor in Computer Engineering
GPA: 3.76

Work Experience

CSU Engineering Technology Services — Fort Collins
IT Support — Aug. 2023 - Present

- User Privilege Management
- Solving Technical Problems
- Interpersonal Communication
- Authorized Super User Access

Rays Cyber Research Lab — Fort Collins
Researcher — Oct. 2023 - Present

- Machine Learning
- Network Fingerprinting

Skills

Programming Languages:	Rust, Go, C, C++, Julia, Javascript, Java, Python, R Assembly, SQL
Frontend Development:	React, Web Assembly
Version Control:	git, Github, Scrum
Security Tools:	Burp Suite, Metasploit, Ghidra, nmap, Wire Shark, FlareVM
Operating Systems/Linux Distrobutions:	Debian, Fedora, Arch, Kali, Windows 10/11

Projects

filler *React, Rust, Web Assembly* — 0xkilty.github.io/filler
A website to play the game "filler" and an algorithm to play against made with web assembly.

static-sight *Go, Javascript* — iankilty.com
A static sight generator for my website iankilty.com made with go.

patrcoin *Solidity* — github.com/0xKilty/patricoin-contract
A crypto token made with solidity deployed on the ethereum.

no-hash *C++* — github.com/0xKilty/no-hash
A C++ program that duplicates itself with a different file hash.

Awards

3rd in CSU VR Hackathon — Colorado State University, Oct. 2022

4th in CS @ Mines Programming Competition — Colorado School of Mines, April. 2023

Relevant Classes

CS 370	Operating Systems
CS 320	Algorithms Theory and Practice
CS 314	Software Engineering
CS 256	Software Development with C++
CS 250	Computer Systems Foundations
CS 220	Discrete Structures
CS 165	Data Structures
MATH 256	Calculus II for Computational Sciences

Presentations

Basics of Malware Analysis - *9/27/2023* — Hashdump Cybersecurity
Reverse Engineering, Virtualization, Executable Analysis, Safe Deployment of Malware