

IAN KILTY

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EDUCATION

Colorado State University

Bachlors in Computer Science, Networking and Security

Bachlors in Mathematics, Computational Mathematics

GPA: 3.76

Fort Collins

Aug. 2022 - Present

WORK EXPERIENCE

ICR Cyber Engineer Internship

Intern

Aurora

May 2024 - Aug. 2024

- Reverse Engineering
- Generating Network Traces
- In Memory Comparative Analysis
- Real World Cyber Experience

CSU Engineering Technology Services

IT Support

Fort Collins

Aug. 2023 - Present

- User Privilege Management
- Authorized Super User Access

Rays Cyber Research Lab

Researcher

Fort Collins

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.

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 457	Computer Networks and the Internet
CS 356	Systems Security	CS 456	Modern Cybersecurity
CS 320	Algorithms Theory and Practice	CS 455	Distributed Systems
CS 314	Software Engineering	CS 430	Database Systems
CS 256	Software Development with C++	MATH 360	Mathematics for Information Security

PRESENTATIONS

Basics of Malware Analysis - 9/27/2023

Hashdump Cybersecurity

Reverse Engineering, Virtualization, Executable Analysis, Safe Deployment of Malware

Open Source Computational Number Theory - 4/13/2024

SUnMaRC

number-theory Python Package, Mathematics behind cryptography, Project Based