

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

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

Aurora
May 2023 - July 2023

CSU Engineering Technology Services

IT Support

- User Privilege Management
- Authorized Super User Access

Fort Collins
Aug. 2023 - Present

Rays Cyber Research Lab

Researcher

- Machine Learning
- Network Fingerprinting

Fort Collins
Oct. 2023 - Present

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

A website to play the game "filler" and an algorithm to play against made with web assembly.

0xkilty.github.io/filler

static-sight Go, Javascript

A static sight generator for my website iankilty.com made with go.

iankilty.com

no-hash C++

A C++ program that duplicates itself with a different file hash.

github.com/0xKilty/no-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

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

Hashdump Cybersecurity

Open Source Computational Number Theory - 4/13/2024

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

SUnMaRC