# 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 250** | Computer Systems Foundations |
| **CS 356** | Systems Security | **CS 220** | Discrete Structures |
| **CS 320** | Algorithms Theory and Practice | **CS 201** | Ethics in Computing |
| **CS 314** | Software Engineering | **CS 165** | Data Structures |
| **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