

SKILLS & FEATS

National Cyber League

- A **Capture the Flag** event held for U.S. high school and college students
- Spring 2020, placed **152nd** out of **5357** other competitors. Putting my ranking into the **98th** national percentile

Version Control

- Knowledge of **git** and git like hosting services such as **Github** and **Gitlab**
- Understanding of branching models: **Git Flow** and **Github Flow**
- Use of **JIRA** and **Confluence Pages** for bug tracking and agile project management
- **CI/CD** experience with **Github Actions** and **Gitlab CI**

SOFTWARE

- C\C++, MATLAB, Python, Java, R
- Understanding of **OOP** based principles like **Encapsulation**, **Inheritance**, **Polymorphism**, and **Abstraction**

PROJECTS

SNR GENETIC ALGO

- A SNR optimization based on Genetic Algorithms

ANDROID KERNEL SOURCE CODE TAGGING

- An Interactive webpage that presents a navigable Android Kernel

EDUCATION

UNIVERSITY OF WEST O'AHU

BAS/BS in Cybersecurity

Fall 2017 - Present

- Expected Graduation Fall 2022

EXPERIENCE

MITRE | Cybersecurity Engineer Intern | Ford Island, HI

May 2021 - Present

- Designing and engineering security & software solutions for various Department of Defense interest areas and internal research programs.

Cyber Center | Deputy Director | Kapolei, HI

Cyber Security Coordination Center

Jan 2019 - Present

- Lead and coordinated a team of five interns on current cybersecurity threats in five key sectors: Global, Vulnerabilities, Industrial Control Systems and Best Practices
- Verification of weekly tasks performed by interns in the five key sectors
- Work closely with the Director to develop and implement the operational vision for the Cyber Center
- Convene internal and external program meetings with interns and VIP guests

Cyber Center | Forensic Researcher Intern | Kapolei, HI

Cyber Security Coordination Center

Sep 2018 - Present

- Breakdown of common vulnerability scripts from Metasploit and Metasploit like frameworks into demonstrable presentations through manual means of exploitation
- Analyze common binary exploitation techniques concerning the stack involving: Return Object Programming (ROP), buffer-overflow, stack canaries, Data Execution Prevention (DEP), Address Space Layout Randomization (ASLR) and return-to-libc
- Publish weekly reports about forensic topics in accordance to the objectives laid out by the Director and Deputy Director

TEKsystems | 'Ohana Help Desk Specialist JR. | Honolulu, HI

Jul 2020 - Jul 2021

- The 'Ohana Help Desk is a statewide initiative by the Hawai'i State Department of Education (HIDOE) to provide technology support to public school students and their parents as they transition to more opportunities for online and blended learning
- Provide self-service and chat support for families experiencing issues connecting to HIDOE systems remotely from home
- Assist with connectivity-related issues, access and security issues, device support, and general IT support

EXTRACURRICULARS

Research Laboratory | Research Analyst | Kapolei, HI

UH West Oahu Cyber Security Research Laboratory

Aug 2021 - May 2022

- Funded by the U.S. Department of Defense (DoD) Cybersecurity Scholarship Program (CySP), Award Number H98230-21-1-0267
- Participate in faculty directed applied research and analysis related to cybersecurity and information security and assurance
- Preparation of academic research papers, reports, and publications