

# Jaxson Pahukula

Computer Science Student  
from Maui, HI

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## EDUCATION

Purdue University - *West Lafayette, IN*

- Pursuing B.S. in Computer Science, with Security concentration
- Aug 2022 – May 2025 (*exp.*)

## SKILLS

- **Collaborative**  
I mesh well with peers, superiors, and those under me
- **Inquisitive**  
I'm not afraid to ask questions to get the job done
- **Adaptive**  
I handle change easily and I'm a quick learner

## Technical skills

*Languages:* Python, C, Rust, Java, Javascript, Shell scripting, SQL, R

*Other:* Unix, Git, Jupyter, Ghidra, Wireshark, Docker

## RELEVANT COURSES

- Systems Programming
- Computer Security
- Computer Architecture
- Data Structures and Algorithms
- O.O.P. in Java
- Programming in C
- Linear Algebra
- Calculus (I, II, III)

## HOBBIES

- Coding (*See github* 😊)
- Playing music (*I play drums and bass guitar, want to learn more*)
- Volleyball

## EXPERIENCE

### Applied Research Laboratory at the University of Hawai'i – *Intern*

(Summer 2023)

- Collaborated on a team researching new technologies for portal software used for accessing the D.OD's vanguard high performance computing center (MHPCC DSRC)
- Developed backend software for a central administration platform for managing containerized software on servers and swarms at a high performance computing center.

### B01lers CTF Competitive Hacking Team – *Member*

(Aug. 2022 - Present)

- Competed and collaborated to place in CTF competitions across the nation, and developed challenges for our own titular CTF.

### The Data Mine, Purdue – *Undergraduate Data Science Researcher*

(Aug. 2023 - May 2024)

- Collaborated with Raytheon Technologies and other students to create a hard drive remaining-useful-life prediction solution.
- Learned and applied many data science methods such as anomaly detection, k-means clustering, entropy, LSTM models, and more.

### Data Science Labs Calculus – *TA / Lab Instructor*

(Jan. 2023 - Dec. 2023)

- Collaborated with other instructors to develop and refine the course curriculum.
- Taught students to apply concepts from Calculus I and II to basic data science problems using Jupyter, Python, Raspberry Pi's and various electronic hardware.

### MIT Beaver Works Summer Institute – *Student / Embedded Security Program*

(Summer 2021)

- Learned and practiced industry-standard security from MIT and Mitre professionals, and competed in a capstone CTF competition.

## VOLUNTEER WORK

### Maui Wildfire Disaster Relief – *Volunteer*

(Aug 2023)

- Coordinated resource databases for the Grace Bible Church shelter and donation center, general volunteer work.
- Helped coordinate and execute supply runs via boat to Lahaina.

### Faith West – *Volunteer / Worship Drummer*

(Jan. 2023 - Present)

- Serve regularly on the college ministry worship band
- Serve regularly at the Hartford Hub, a neighborhood community center/after-school outreach program for children
- Volunteered at many miscellaneous community outreach programs

### Grace Bible Church – *Volunteer / Worship Drummer*

(2017 - Present)

- Volunteered at various disaster reliefs, workdays, and holiday events, as well as volunteering weekly on the church worship band.