

EDUCATION

- **Indiana University** Bloomington, IN
Bachelors in Computer Science - Sophomore *August 2017 – Present*
Majoring in Computer Science with cognate in Operating Systems.

EXPERIENCE

- **Indiana University** Bloomington, IN
Research and Teaching Assistant *January 2018 - Present*
 - **Research - Security:** Conducted research under Professor Yan Huang in the field of HDD Security. Focused on running arbitrary code on the HDD central processor.
 - **Teaching Assistant - CSCI-C 291 (C and Unix):** Provided assistance with teaching of the C language in Unix environment. Rewritten the final and encouraged students to create Conway's Game of Life.
 - **Teaching Assistant - CSCI-C 211 (Introduction to Computer Science):** Helped students with introduction to Computer Science in Racket (PLT Scheme). Taught a lab with another TA.
- **Rosvall Lab** Bloomington, IN
RFID Technician *October 2018 - Present*
 - Debug and set up RFID scanners for bird tracking research.
 - Perform antenna and scanner maintenance.
- **CNS** Bloomington, IN
Office Assistant *May 2018 - August 2018*
 - Managed payroll and travel tracking for the company.
 - Organized hundreds of references for academic papers produced by the company.
- **Upwork** Online
Linux/Unix Shell Scripting Expert *July 2017 - September 2017*
 - Assisted a PhD candidate with their research.
 - Wrote detailed descriptions for bash commands to train a Natural Language Processing AI.

PROJECTS

- **Popi's Parley:** Chat application written in C. Uses multiple TCP connections to establish a working chat application between up to 95 clients.
- **GiantBot:** A small python bot written for a Gigantic game Discord server. Used to access rank information on the server.
- **Peddle:** Final project for Digital Electronics class at Carmel High School. Peddle is a Guitar pedal which can be modified over wifi. Different effects can be toggled using either the Wifi web interface, or physical stomp buttons on the pedal.

PROGRAMMING SKILLS

- **Languages:** While my primary language is C, I have knowledge in Java, Bash, Python, C#, and Racket.
- **Software:** Photoshop, Gimp, Vim, Linux/Unix, Windows, Git, VmWare, gdb