

Imani D. Pelton

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github.com/bepri

An avid developer with a strong passion for application and hardware security, optimization, and automation.

Experience

IT Helpdesk Student Assistant

October 2021 – Present

University of Tennessee, Knoxville

Worked with researchers and professors in the Electrical Engineering and Computer Science department to resolve computer issues, manage inventory, and deploy new devices. Additionally assisted in managing many Windows and RHEL servers and created numerous automation tools to improve the productivity of the office.

Education

The University of Tennessee at Knoxville

Knoxville, TN

M.S. Computer Science, Minor in Cybersecurity

Projected Graduation: May 2024

GPA 3.9/4.0

Dean's list, *summa cum laude*, Fall 2019 – Present

Skills and Qualifications

- Proficient in C, C++, Java, Python, Rust, and Bash/batch scripting
 - Comfortable with React, JavaScript (ES6), and TypeScript
 - Highly experienced with Linux (Ubuntu, Red Hat) and Windows, comfortable with MacOS
 - Familiar with version control (git) and CI/CD protocols (unit testing, automatic deployment, etc.)
 - Experienced with remote management tools such as Ansible, Nagios, and Tenable Nessus
 - Typing speed average of 120WPM
 - Familiar with office productivity tools – Microsoft Office, Slack, Teams, Zoom
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Projects Completed

- 2023 - A barcode inventorying system for item check-in/check-out for an IT helpdesk. Wrote a front-facing webapp in React, with authentication over LDAP, and configured an nginx webserver to host on a RHEL VM.
- 2022 - A complete library implementation of AES-128, -192, and -256 in Rust, with a wrapper for command-line support.
- 2021/2022 - A highly configurable script written with Ansible, additionally leveraging Perl and Python to remotely onboard multiple MacOS devices at once. This included installing & licensing software, creating users from an existing LDAP database, and configuring security preferences.
- 2020 - A basic Unix shell with piping, environment variables, and redirections, written in C.
- 2019 - A set of bash scripts created for classmates that could automatically detect the student's current assignment and run 100 test inputs to determine if the student's program was correct so far. The scripts were written entirely with Bash, with C++ to generate test cases.