

Socket

contact@sokt.lol | codeberg.org/Socket | portfolio.sokt.lol

◆ Profile

Motivated high school senior seeking part-time internship or entry-level opportunities in IT, technology, or public service environments. Hands-on experience with programming, troubleshooting, firmware analysis, and community support, backed by strong academic growth and independent learning.

◆ Education

Options for Youth — High School Diploma, Expected May 2026

Local Community College — CS 101, Begins August 2026

◆ Certification

CTE Information Technology Path Certificate of Completion

◆ Technical Skills

Python, TypeScript, HTML/CSS, Windows, Linux, Godot Engine, Visual Studio Code, JetBrains Rider, PC building, PC troubleshooting

◆ Projects

Kryx — Custom Interpreted Programming Language

- Designed and built a custom interpreted programming language in TypeScript.
- Implemented a lexer, parser, and custom language syntax.
- Explored core concepts in language design and interpreter development.

Epomaker EK21 Custom Firmware — Firmware / Reverse Engineering Project

- Reverse engineered parts of the Epomaker EK21 firmware and hardware layout.
 - Traced MCU pins to keys to rebuild the keypad matrix.
 - Supported debugging and documentation for the custom firmware development.
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◆ Experience

Store Assistant, The Blade Library

- Moved and organized boxes of product throughout the shop.
- Organized shelves and helped set up the store layout before opening.
- Supported general shop setup and back-room organization.

Volunteer, Local Food Bank

- Packed bags of food for unhoused community members.
 - Transported carts of food for senior recipients.
 - Helped prepare and distribute food efficiently during service.
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◆ Awards & Achievements

- English Excellency Award
- Overall Growth Award
- Honor Roll
- Demonstrated significant academic improvement through consistent performance growth