

ETHAN BRAUN

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Education:

Bachelors of Electrical and Computer Engineering with a Minor in Computer Science | GPA: 3.9/4.0

Expected Graduation Date: May 2024

SOUTHERN ILLINOIS UNIVERSITY

Associates in Applied Science Toward a Degree in Electrical Engineering Technology | GPA: 3.9/4.0

Graduation Date: May 2021

JOHN A LOGAN COLLEGE

Relevant Courses:

- Software Engineering – Fall 2021
- Robotics - Summer 2022
- Computer Organization and Architecture - Spring 2022
- Linux/Unix Programming - Fall 2022
- Digital Circuit Design - Spring 2022

Technical/Non-technical Skills:

- Proficiency in: C, C++, Python, Bash
- Bare Metal
- Linux
- Git
- Electrical Circuits
- PCB Routing
- Usage of oscilloscopes, voltmeters, and other electrical tools
- Microsoft Office

Projects:

- Built a device using an Arduino which scanned an action figure containing an NFC chip, output a sound clip to a speaker and displayed text to an LCD.
- Built a makeshift radar device in Python using a raspberry pi, a servo motor, an LCD, and an ultrasonic sensor.
- Configured a microcontroller to send I2C packets to an Arduino and received a response in return.
- Successfully configured and loaded a Linux image onto a Beaglebone Black board using the Yocto Project.

Experience:

JUNE 2021 – PRESENT

ENGINEERING INTERN, EMAC, INC.

- Review and revise schematic and PCB work done by other engineers
- Route PCB's and place components
- Create component footprints and symbols for internal usage
- Sort through components and confirm stock and viability

SEPT 2019 – MAY 2021

I.T. HELPDESK, JOHN A. LOGAN COLLEGE

- Regularly interfaced with students and faculty to address various I.T. needs
- Demonstrated problem-solving and technical skills with on-campus equipment
- Communicated with other I.T. workers to efficiently solve problems

Volunteer Work:

- Worked at Touch of Nature Reserve in Carbondale, IL to gather sticks and dead branches