

AIDAN SHARPE

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OVERVIEW

EDUCATION - ROWAN UNIVERSITY

B.S. in Electrical and Computer Engineering
Certificate of Undergraduate Study in Cybersecurity Engineering

Expected May 2025

WORK EXPERIENCE

Industrial Hardware Development Intern

Summer 2024

Inductotherm Corp.

Rancocas, NJ

- Upgraded 5V industrial embedded system to 3.3V microcontroller while maintaining backward compatibility
- Enabled design reuse of high-speed circuits by creating snippets for USB-C and Ethernet interfaces
- Envisioned and implemented a client and database for building and managing Altium Designer parts libraries
- Created manufacturing releases for impedance controlled designs

Industrial Internet of Things Intern

Summer 2023

Inductotherm Corp.

Rancocas, NJ

- Extended internal software tools to eliminate sources of human error
- Leveraged Microsoft Azure IoT Hub to enable error-free remote gateway configurations
- Enabled self-configuring gateways by building custom tools to interface with a specialized Linux system

TECHNICAL STRENGTHS

Electronics and PCB Design

- Flat and hierarchical schematic design
- PCB design for 2, 4, & 6 layer boards
- High speed, differential pair, and impedance controlled routing