

# AIDAN SHARPE

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## GROWTH DRIVEN ENGINEER

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- 9 years of diverse programming & electronics experience
- Practical skills in leading myself and others to accomplish goals
- Active and highly motivated learner with a creative and ambitious mindset

## EDUCATION

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**Bachelor of Electrical and Computer Engineering**, Rowan University Expected May, 2025

GPA: 3.74

Martinson Honors College Fall 2021 – Present

Dean's List: Fall 2021 – Present

Relevant Coursework: Circuit Design & Analysis, Computer Architecture, Embedded Systems, FPGA Programming

Engineering Clinic Project: Spaceport America Cup (formerly IREC) focusing on Avionics

## SKILLS

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(5)* <b>Programming</b>	C, Python, C++, Verilog HDL, C#, Java, MatLab
(4) <b>Embedded Systems</b>	Experience programming MSP430 and Arduino devices
(4) <b>Server &amp; IoT</b>	Microsoft Azure IoTHub, Docker, Podman, Ubuntu Server, Fedora Server
(4) <b>Electronics</b>	Circuit & PCB Design, Through-hole & Surface Mount Soldering
(4) <b>Hardware Testing</b>	Examines circuits with Waveform Generators, Multimeters, & Oscilloscopes
(4) <b>Robotics</b>	Autonomous and Manual Control Programming, Data & Power Cabling
(5) <b>General Software</b>	Fedora Linux, Debian-based Linux, Windows, LaTeX, Microsoft & Google Office
(5) <b>Special Software</b>	Wireshark, SPICE, Git source control, Vim, VirtualBox, NixOS
(4) <b>CAD Packages</b>	Altium Designer, OnShape, KiCAD, FreeCAD
(5) <b>Soft Skills</b>	Professional Written & Verbal Communication, Leadership, Initiative

*\*Skill level confidence; 5 highest*

## WORK EXPERIENCE

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**Technology Development Engineering Intern** May 2023 – August 2023

Inductotherm Corp.

*Rancocas, NJ*

- Improved reliability and upgradability by designing and automating remote configuration tools
- Enabled efficient deployments of remote systems by converting data publishing computers to a minimal OS
- Improved operation of industrial test fixture by designing an application-specific PCBA to be shipped globally

**Laser Fleet Sailing Coach**

Jun 2020 – August 2022

Toms River Yacht Club

*Toms River, NJ*

- Greatly advanced the abilities and confidence of beginner Laser sailors
- Orchestrated and presented lessons to boost the skills of students

## AWARDS & DISTINCTIONS

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|---|---------------|
| • Eagle Scout with Bronze & Gold Palms  | 2020          |
| • Smart City Innovation Track Winner at 24-hour rapid engineering competition         | 2022          |
| • National Honor Society & German National Honor Society                              | Inducted 2020 |
| • Professional Engineering Society of Mercer County — Engineering Student Scholarship | 2021          |
| • FIRST Robotics Competition Team Mercury: 1089 Gracious Professionalism Scholarship  | 2021          |

## EXTRA-CURRICULAR ACTIVITIES

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|---|-------------------|
| • Rowan University Intramural Flag Football to balance work and an active lifestyle | Fall, Spring 2022 |
| • Rowan IEEE Student Branch Engineering Workshop Leader                             | 2021 – Present    |
| • Rowan Habitat for Humanity  | 2023 – Present    |