# AIDAN SHARPE

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## GROWTH DRIVEN ENGINEER

- 8 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

**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: Intercollegiate Rocket Engineering Competition (IREC) focusing on Avionics

## SKILLS

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

*Skill level confidence; 5 highest*

## WORK EXPERIENCE

**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

- 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

- Rowan University Intramural Flag Football to balance work and an active lifestyle        Fall 2022
- Rowan IEEE Student Branch Engineering Workshop Leader                                2021 – Present
- Rowan Circle K International                                                         2022 – Present