

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 Honor's College Fall 2021 – Present

Dean's List: Fall 2021, Spring 2022

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

SKILLS

(5)* Programming	C, Python, C++, Verilog HDL, C# for .NET Xamarin, Java
(4) Embedded Systems	Experience programming MSP430 and Arduino devices
(4) IoT Systems	Microsoft Azure IoT Hub, 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	Subsystem command programming, Autonomous behavior, Data & Power Cabling
(5) General Software	Fedora, NixOS, Debian-based Linux, Windows 10/11, Microsoft Office, Google Office
(5) Special Software	OnShape, Wireshark, SPICE, GitHub, VS Code, Vim, VMWare, VirtualBox
(5) Soft Skills	Professional Written & Verbal Communication, Leadership, Initiative

**Skill level rating; 5 highest*

WORK EXPERIENCE

Technology Development Engineering Intern May 2023 - August 2023

Inductotherm Corp. *Rancocas, NJ*

- Improved reliability and upgradability by automating remote configuration processes
- Enabled more efficient deployments of remote systems by switching to a minimal NixOS
- Improved operation of test fixture using a custom designed PCBA

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

- | | |
|---|----------------|
| • 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 |