



AIDAN SHARPE

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GitHub: <https://github.com/Adog64/>



As an experienced leader in programming and electronics, I have developed practical skills in guiding a team to accomplish goals. I was first introduced to coding in the fifth grade, and I have enthusiastically expanded my knowledge to fluency in several of the most widely used programming languages. I have a creative and ambitious mindset, and I am always looking to learn something new.

ROWAN UNIVERSITY CLASS OF 2025

- Major: Electrical and Computer Engineering
- John H. Martinson Honors College (Fall 2021 – Present)
- GPA: 3.71
- Dean's List: Fall 2021, Spring 2022

COMPUTER & PROGRAMMING SKILLS

- Debian-based and Fedora-based Linux (9/10)
- Windows 7, 10, & 11 (8/10)
- VS Code, Visual Studio 2022 (10/10)
- Nano, VIM Text Editors (7/10)
- Microsoft Office 2007 & 2021 (9/10)
- Python, C, C++, & C# (8/10)
- Verilog HDL (8/10)
- Java (6/10)
- Built mobile apps using Xamarin framework
- Maintains active and organized GitHub page
- Programmed FIRST Robotics Competition robot in Java
- PyGame & NumPy Python libraries (8/10)
- DE10 Lite FPGA programming (7/10)
- SDL2 and STB-Image Libraries for C (7/10)

ELECTRONICS SKILLS

- Power and CAN data bus wiring for FIRST Robotics Competition robot
- Designed schematics and printed circuit boards (PCBs) to meet functionality specifications
- Independently designed Arithmetic and Logic Units in Logisim and Minecraft

AWARDS & DISTINCTIONS

- Eagle Scout with Bronze and Gold Palms (March 2020)
- Rowan IEEE Student Branch Electronics competition: Smart cities track winner (2022)
- Professional Engineer's Society of Mercer County Michael A. Valenti Memorial Scholarship (2021)
- Mercury 1089 Robotics Team Gracious Professionalism Memorial Scholarship (2021)
- National Honor Society & German National Honor Society (Inducted 2021)
- Rowan University Military Appreciation Scholarship (2021 – Present)
- Rowan University Merit Scholarship (2021 - Present)

EXTRACURRICULAR ACTIVITIES

- FIRST Robotics Competition: Programming and Electronics Committee Leader (2017 – 2021)
- Active member of Rowan IEEE Student Branch (Fall 2021 – Present)
- Rowan Intramural Flag Football (Fall 2022 – Present)