Marcin Anforowicz

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QUALIFICATIONS

- Significant experience programming in: C, C++, Python, Rust, Java, SystemVerilog, Typescript.
- Significant experience using: Arduino, ESP32-IDF, KiCad, Godot, Kdenlive, Typst, Eleventy.
- Native language proficiency in: English, Polish.

EDUCATION

Computer Science — University of Washington **Expected to graduate on June 2025**

- GPA: 3.89
- Excelled in courses: Machine Learning, Systems Programming, Digital Design, Hardware-Software Interface, Software Design & Implementation, Data Structures & Parallelism.
- Entered university 2 years early as one of only 30 students accepted to the UW Academy.

EXPERIENCE

Engineering Intern at WiBotic **June 2024 - September 2024**

- Wrote a Python test suite for embedded CAN serial communication on crowded networks.
- Designed and built a PCB testing fixture to hold multiple microcontrollers on a CAN bus.
- Found firmware bugs by using GDB on embedded microcontrollers.
- Programmed an embedded CAN-to-ethernet adapter.

YouTube Educator **2022 - Present**

- The "Just One More Paradox" - Created using Manim, a Python animation library.
- PCB Magnetorquer Prototype - Husky Satellite Lab - With optimization code I wrote.

Leader at student organizations — University of Washington **2022 - Present,**

- At Husky Satellite Lab, leads a 6-person team to launch a high altitude research balloon to 30,000 meters. Collaborates with peers to design and program circuit boards.
- At Husky Flying Club, leads a 4-person team in building remotely-operated aerial vehicles from foam composites. Teaches electronics, build techniques, and basic aerodynamics.
- Creates websites that auto-deploy using GitHub's continuous integration: UW Competitive Programming Club (code), Husky Satellite Lab (code), personal site (code).

Competitive programmer **2021 - Present**

- One of 900 programmers who qualified to USACO Gold in 2022.
- Competes on an ICPC team at the University of Washington's Competitive Programming Club.

Active hobbyist **2022 - Present**

- Enjoys making open source projects such as Gday (work in progress), a tool for directly transferring encrypted files over the internet.
- Published an interactive Rust web assembly simulation to personal website.
- Is an FCC-certified amateur radio operator. Experiments with WSPR, IRLP, and APRS.
- Has built 4 remote-controlled aircraft, with onboard cameras and electronic payloads.