Marcin Anforowicz

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- Extensive experience in: C, C++, Python, Rust, Java, SystemVerilog, Typescript, ESP-IDF, KiCad, Arduino, Godot, Kdenlive, Eleventy, CAN bus.
- Native language proficiency in: English, Polish.

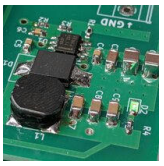
EDUCATION

Computer Science — University of Washington **Expected to receive B.S. 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 30 students accepted to the UW Academy.

EXPERIENCE

Software engineering intern at WiBotic **June 2024 - September 2024**



- Wrote over 3000 lines of firmware for an embedded CAN-to-ethernet adapter.
- Designed and built PCBs to power 64 microcontrollers on a shared CAN bus →
- Created a Python test suite to find bugs in charger CAN bus functionality.
- Used multithreading to accelerate the generation of wireless charging reports.

YouTube educator **2022 - Present**

- The "Just One More Paradox" - Over 3M views. Programmatically animated using Manim.
- PCB Magnetorquer Prototype - Husky Satellite Lab - Includes optimization code I wrote.

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

- 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 marketing websites that auto-deploy using GitHub continuous integration: UW Competitive Programming Club (code), Husky Satellite Lab (code), personal site (code).
- At Husky Satellite Lab, lead a team to design and build CubeSat radio circuit boards.

Active hobbyist **2022 - Present**

- Enjoys making open source projects such as Gday (work in progress), a tool for encrypted peer-to-peer file transfer.
- Published an interactive Rust web assembly simulation on 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.

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.