

## **[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 line.
- 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.