

# Marcin Anforowicz

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[manfor@cs.washington.edu](mailto:manfor@cs.washington.edu)

- Industry experience in: C, C++, Python, JavaScript, Linux, Docker, FreeRTOS, ESP32, circuit design, GDB.
- Academic experience in: Rust, Java, Typescript, SystemVerilog, Arduino, serial protocols.
- Native speaker of English and Polish.

## EDUCATION

**Master of Science in Computer Engineering — University of Washington**      **2022 - Expected June 2027**  
(Combined BS/MS at Paul G. Allen School of Computer Science)

- GPA: 3.90
- Key courses: Machine Learning, Systems Programming, Digital Design, Data Visualization, Security, Operating Systems, Distributed Systems, Networks, Linguistics.

## EXPERIENCE

**Software Engineering Intern — WiBotic**

**June 2024 - September 2024**

- Wrote over 3000 lines of multithreaded firmware for a real-time [CAN-to-ethernet adapter](#).
- Developed a user-friendly fullstack web app for remotely configuring this adapter.
- Designed and built PCBs to power and test microcontrollers on a shared CAN bus.
- Created an integration test suite that caught bugs in a large embedded C++ codebase.

**Course Design Research Assistant — University of Washington**

**June 2025 - Present**

- Helps develop a new computer science course about concurrency with Prof. Tom Anderson.
- Designs auto-graded labs about cache coherence, asynchronous programming, and Rust.

**Computer Science Teaching Assistant — University of Washington**

**January 2025 - June 2025**

- Led discussion sections and graded homework for CSE 351 (Hardware/Software Interface).
- Taught hundreds of students the basics of C, Linux, GDB, virtual memory, caching, etc.

## PROJECTS

**YouTube educator**

**2022 - Present**

- [The "Just One More Paradox"](#) - Over 3M views. [Programmatically animated](#).
- [PCB Magnetorquer Prototype - Husky Satellite Lab](#) - Includes [optimization code I wrote](#).

**Student organizations — University of Washington**

**2022 - Present,**

- At UW Husky Flying Club, leads a team in building remotely-operated [aerial vehicles](#).
- Creates marketing websites that auto-deploy using GitHub continuous integration: [UW Competitive Programming Club \(code\)](#), [Husky Satellite Lab \(code\)](#), [personal site \(code\)](#).
- Lead a Husky Satellite Lab team to design and build [CubeSat radios](#).
- Competes on a University of Washington team in ICPC regionals.

**Independent projects**

**2022 - Present**

- Creates open source projects such as [Gday](#), a tool for encrypted peer-to-peer file transfer.
- Published an interactive Rust web assembly [simulation](#) on personal website.
- FCC-certified amateur radio operator.