manforowicz@gmail.com

www.linkedin.com/in/m-anforowicz/

- 3rd-year computer science undergraduate searching for a 2nd software internship.
- Industry experience in: C, C++, Python, JavaScript, ESP-IDF, circuit design, GDB.
- Project experience in: Rust, Java, Typescript, SystemVerilog, Arduino, serial protocols.
- Native language proficiency in: English, Polish.

EDUCATION

Computer Science — University of Washington

2022 - Expected June 2026

- GPA: 3.89
- Excelled in courses: Machine Learning, Systems Programming, Digital Design, Hardware-Software Interface, Computer Security, Operating Systems, Data Structures & Parallelism.

EXPERIENCE

Software engineering intern at WiBotic

June 2024 - September 2024

- Wrote over 3000 lines of multithreaded firmware for a <u>CAN-to-ethernet adapter</u>.
- Developed a fullstack web app for configuring the CAN-to-ethernet adapter.
- ullet Designed and built PCBs to power 64 microcontrollers on a shared CAN bus ullet
- Created a Python test suite that caught bugs in production firmware.
- Diagnosed and fixed major bugs in a large embedded C++ codebase.
- Used Python multithreading to accelerate a test analytics PDF report generator.

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 UW Husky Flying Club, leads a 4-person team in building remotely-operated aerial vehicles from foam composites. Teaches electronics, design, and implementation.
- Creates marketing websites that auto-deploy using GitHub continuous integration: <u>UW</u>
 <u>Competitive Programming Club</u> (code), <u>Husky Satellite Lab</u> (code), <u>personal site</u> (code).
- At Husky Satellite Lab, lead a team to design and build CubeSat radio <u>circuit boards</u>.

Active hobbyist 2022 - Present

- Creates open source projects such as Gday, a tool for encrypted peer-to-peer file transfer.
- Published an interactive Rust web assembly <u>simulation</u> 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 worldwide who qualified to USACO Gold in 2022.
- Competes on an ICPC team at the University of Washington's Competitive Programming Club.

