

AIDAN CUCCARO

New York, NY | 541-808-5300 | ac3362@cornell.edu
[linkedin.com/in/aidan-cuccaro](https://www.linkedin.com/in/aidan-cuccaro) | github.com/2akc

EDUCATION

Cornell Tech, Cornell University New York, NY
MS in Applied Info Science & Info Systems – Health Tech, Merit Scholarship May 2028
Cornell–Technion Dual Degree; Jacobs Computer Science Certificate

Oregon State University Corvallis, OR
BS in Computer Science, Minor in Asian Languages and Cultures, GPA: 3.76 June 2026
Relevant Coursework: Cloud Application Development, Operating Systems, Machine Learning, Databases
Honors/Awards: Magna Cum Laude; Finley Academic Excellence Scholarship; Dean's List (all terms)

TECHNICAL SKILLS

Coding Languages: Python, C++, C#, C, SQL, JavaScript, Tcl, R, HTML
Other Tools: Docker, FastAPI, Django, PostgreSQL, Redis, nginx, Supabase, Git, CI/CD (YAML), Linux, Dynatrace, Mapbox, Bash

PROFESSIONAL EXPERIENCE

SAIF Corporation, Software Engineer Intern (MECOP), Salem, OR June 2025 - Dec 2025

- Designed YAML-based CI/CD pipelines automating build, test, and deployment for faster, more reliable releases.
- Built a notification service routing application errors to Microsoft Teams, keeping product support current on live issues.
- Profiled C# applications to find and remove performance bottlenecks, reducing runtime and resource usage.

Siemens EDA, Software Engineer Intern (MECOP), Wilsonville, OR Mar 2024 - Sept 2024

- Refactored deprecated C/C++ code across multiple Calibre directories, improving readability and compile times.
- Designed GPU-management wrapper classes and migrated legacy Tcl scripts to a new Tcl version for Calibre.

Osborn-Popp Lab, Undergraduate Researcher, Corvallis, OR Dec 2024 - Aug 2026

- Built Python (PyQt) GUIs for NMR testing and 3D coil visualization, modeling physical factors to reduce lab testing.
- Optimized RF coils with evolutionary algorithms; co-authored 2 papers ([J. Open Res. Softw.](#); [J. Magn. Reson.](#)).

PROJECTS

Healthcare Price Transparency Platform, (Python, SQL, Mapbox) Spring 2025
Full-stack web app helping Pacific Northwest patients compare healthcare prices from insurer data.

- Engineered the data layer (team of 6), parsing insurer MRF and NPES data into a cloud database with caching.
- Built a Mapbox provider locator and a chatbot that answers user questions by querying the pricing database.

Counter: Distributed Anti-Spoofing Attendance System, (Python, FastAPI, Redis, PostgreSQL) Aug 2026
Classroom attendance system using rotating QR tokens to block spoofed or remote check-ins.

- Orchestrated 4 Docker Compose services with nginx load balancing and Redis-backed rotating QR tokens.
- Wrote 50+ tests covering concurrency, session isolation, and throughput to validate correctness under simulated load.

LEADERSHIP/EXTRACURRICULAR ACTIVITIES/VOLUNTEER

Cornell Tech Student Government, Health Tech Program Representative, New York, NY Aug 2026 - Present

- Elected by peers to represent the Health Tech cohort, connecting students and faculty to develop a community and resolve issues.

Oregon State University, Supplemental Instruction Leader, Corvallis, OR Aug 2023 - June 2025

- Taught and mentored 60+ students per quarter in C++ and Python through weekly hands-on sessions.

OSU Judo Club, President, Corvallis, OR May 2021 - June 2026

- Led practices for 40+ members; retention grew by ~300% and event profits ~100% through inclusive programming.