
Todd Rylaarsdam

Software Developer + Embedded Systems Engineer

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SKILLS

- Javascript/NodeJS - 1.5 years of full-time professional experience
- Embedded C/C++ - 1.5 years of full-time professional experience
- PCB Design - 1.5 years of full-time professional experience
- Databases - 1.5 years of experience with NoSQL databases like Firestore and InfluxDB
- 3D CAD/Solidworks - 1 year of experience

EXPERIENCE

Windy City Lab, Chicago - *Full-Time Intern*

May 2021 - July 2022 (Part-time from March 2020 - January 2021)

- Delivered prototype and production systems to clients from startups to universities
 - Argonne National Laboratory: Underground + wireless soil sensors with a 4-year battery life
 - Northwestern University (Center for Talent Development): Cloud-based DIY CPU Emulator
 - Mayo Clinic: Online graphing dashboard for viewing historical patient ECG data and various vital signs
 - Launch Chicago: Coding-focused, hybrid-first learning management system written in Swift for underserved Chicago teens
- Led a team of 2 other interns, coordinating development efforts and providing and taking feedback in code reviews
- Provided regular status updates and participated in goal refinements with clients

EDUCATION

Freshman, George Fox University - BS - Computer Engineering

August 2022 - May 2026

Timothy Christian High School, Elmhurst, IL

August 2018 - May 2021

- 4.11 GPA
- Created a custom Discord bot to enable the Scholastic Bowl team to compete remotely
- Led the production crew for theater and live productions from 2020-2021

AWARDS

- 2021 Illinois Academic Challenges in Engineering & Science: Computer Science State Champion