

## Education

Rochester Institute of Technology | B.S. Software Engineering  
Corning Community College | A.S. Computer Science

May 2026  
Dec 2021

## Experience

WeTheHobby | Software Engineering Co-op Jun 2025 - Present

Technologies: React, TypeScript, C#, .NET, ASP.NET Core, MUI, AWS, SQL, Streaming Infrastructure, Cursor

- **Refactored user system (CQRS) in the admin portal;** eliminated manual database user creation.
- **Built bulk upload tooling to import 10K+ row tab-delimited sheets;** migrated data into the new DB.
- **Added I/O virtualization;** reduced stream recovery to ~30s of dead air from 5 minutes of stream loss; removed single-failure points.
- **Implemented Markdown descriptions app-wide;** editable and bulk-editable flows via custom IDescribable.
- **Trusted with critical infrastructure across frontend, backend, and streaming;** fast-paced startup environment.
- **Participated in code reviews;** found bugs, improved implementation quality, and suggested fixes.

Precision Optical Technologies (Purchased by Belden) | Software Engineering Co-op Aug 2024 - May 2025

Technologies: C, C++, Make, Unix, Netconf, RPC, SNMP, Optical Networking, YANG

- **Enabled breakout mode for QSFP NNI ports;** migrated SNMP tables to 2.0 OID range.
- **Created polling worker monitoring admin state/transceiver presence;** triggered alarms and LED state updates.
- **Replaced fan control code with synchronized bank selects;** reduced fan noise and improved reliability.
- **Contributed in Scrum;** stand-ups, sprint reviews, planning poker, and other engineering ceremonies.

Apple, Inc. | Product Specialist

Oct 2023 - Feb 2024

- **Learned critical time management;** handled dense part-time work while attending school full-time.
- **Assisted customers daily with device setup and tailored solutions;** consistently hitting sales targets.

Hardinge, Inc. | IT/Computer Science Intern

Jun 2021 - Aug 2021

- Sole programmer on initiative; implemented software-vendor metrics tooling on legacy systems.
- Developed a system to auto-display PowerPoints on dozens of factory TVs.
- Provided IT helpdesk support to hundreds of employees monthly.

## Leadership

President | RIT Society of Software Engineers

2024 - 2025

- **Finished website rework of [sse.rit.edu](https://sse.rit.edu);** replacing campusgroups and google drive for club management.
- **Expanded sponsorships with 5 new corporate partnerships;** funded events and internal tooling.
- **Secured lab renovation;** won approvals despite red tape; modernizing member space.

## Projects

Playlist Converter | Personal Project

Dec 2025

Technologies: Next.js, React, TypeScript, Tailwind CSS, PostgreSQL, Drizzle ORM, Spotify OAuth, Apple MusicKit

- **Built Spotify/Apple Music playlist conversion;** ISRC matching, fuzzy fallback, manual matching, and shareable expiring links.

React Kanban Board | Personal Project

Feb 2025 - May 2025

Technologies: Next.js, React, TypeScript, Prisma (MySQL), NextAuth, Tailwind CSS, ShadCN UI, Nodemailer, Zod

- **OAuth-secured shared boards with invites/resets, drag-drop UI, comments/markdown/attachments, and JSON Merge Patch updates.**

Delegative Strategy Game | Personal Project

Jan 2026

Technologies: Python, Textual, Rich, Pydantic, HTTPX, Agentic Tool Calling, OpenRouter API

- **Built an AI-driven text strategy simulation;** natural-language orders, advisor dialogue, and time-based world-state progression.

WebsiteTheSSEquel | [sse.rit.edu](https://sse.rit.edu) (Open Source)

Jan 2026 - Present

Technologies: Next.js, TypeScript, Prisma, NextAuth, Tailwind CSS, PostgreSQL

- **Contributed production features;** role-based OAuth scopes, invite flow, event/attendance tooling, mentoring/mobile fixes, and mass-email/event-link improvements.

## **ReadFaster | Personal Project**

**Jan 2026**

**Technologies:** Swift, SwiftUI, SwiftData, PDFKit, SwiftSoup

- **Built RSVP speed-reading app for iOS/macOS;** TXT/EPUB/PDF support, adaptive pacing, chapter navigation, and comprehension-focused controls.

## **Skills**

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**Programming Languages:** C, C++, C#, Java, Python, Swift, Lua, Assembly, SQL, Terraform, JavaScript, TypeScript

**Other Relevant Skills:** IT Helpdesk, Maven, CI/CD, Unix Shell, Linux, Angular, Vue, React, AWS, .NET, Netconf