Jakob Langtry

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Education

Rochester Institute of Technology — B.S. Software Engineering — Expected 05/2026
Corning Community College — A.S. Computer Science, GPA 3.4 — Graduated 12/2021

Skills

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

Leadership

Vice President – RIT Society of Software Engineers — 2024 – 2025

- **Grew membership 37%**: led outreach efforts for a 500+ community; engagement on posts up ˜1200%
- **Expanded sponsorships 263%**: added 5 new corporate partnerships; funded events and internal tooling
- **Secured lab renovation**: approvals won despite red tape; modernizing space for members

Experience

Software Engineering Co-op – WeTheHobby — 06/2025 – Present
Technologies: React, TypeScript, C#, .NET, ASP.NET Core, MUI, AWS, SQL, Streaming infrastructure, Cursor

- **Refactored user system (CQRS)**: admin portal; eliminated manual DB user creation
- **Built bulk upload**: imported 10K+ row tab-delimited sheets into 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 via implementing custom `IDescribable` interface
- **Trusted with critical infra**: shipped across Frontend, Backend, and Stream infrastructure in a fast-paced startup
- **Participated in Code Reviews**: reviewed and provided feedback on code changes, found bugs, and suggested improvements

Software Engineering Co-op – Belden (formerly Precision Optical Technologies) — 08/2024 – 05/2025
Technologies: C, C++, Make, Unix, Netconf, RPC, SNMP, Optical Networking, Yang

- **Enabled breakout mode**: QSFP NNI ports; migrated SNMP tables to 2.0 OID range
- **Created polling worker**: monitored admin state/transceiver presence; triggered alarms and system LED state when missing
- **Replaced fan control**: made in-house code with synchronized bank selects to reduce fan noise and increase reliability
- **Contributed in Scrum**: stand-ups, sprint reviews, planning poker, and other engineering ceremonies

Product Specialist – Apple, Inc. — 10/2023 – 02/2024

- **Learned Critical Time Management**: prioritized and managed dense part-time work while attending school full time
- **Assisted customers daily**: with device setup and tailored solutions, consistently hitting daily sales targets

IT/Computer Science Intern – Hardinge, Inc. — 06/2021 – 08/2021

- Sole programmer at the company; implemented metrics software from a software vendor on legacy systems
- Developed a system for auto-displaying PowerPoints on dozens of factory TVs
- Provided IT helpdesk support to hundreds of employees monthly

Projects

Music Link Converter (Personal Project) — 12/2024 – 02/2025
Technologies: Typescript, HTML, CSS, Google Cloud Run, Cloud Build, Docker, React

- Containerized React + TS backend; CI/CD on Cloud Run. iOS shortcut for link conversion

React Kanban Board (Personal Project) — 02/2025 – 05/2025
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; JSON Merge Patch

Terminal Style Personal Website (Personal Project) — 01/2025 – 03/2025
Technologies: Next.js, TypeScript, Tailwind CSS

- Terminal-style site with `curl`, ASCII weather (real-time), and QR generator

AWS Multiplayer Rock Paper Scissors (Academic Project) — 02/2024 – 05/2024
Technologies: AWS, Machine Learning, Lambda, Terraform, Python, React

- Multiplayer Rock Paper Scissors via image recognition; database backend for storing user data and game history

Scrumdinger App (Personal Project) — 05/2023 – 08/2023
Technologies: Swift, SwiftUI, Xcode, Speech to Text

- iOS/iPadOS app to track Scrum stand-ups; uses speech to text to track stand-up transcriptions