

Jakob Langtry

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Education:

Rochester Institute of Technology – Bachelor of Science (B.S.) Software Engineering	<i>Expected 12/2025</i>
Corning Community College – Associate of Science (A.S.) Computer Science, GPA 3.4	<i>Graduated 12/2021</i>

Courses:

Engineering Software Subsystems, Communications & Networking, Computer Organization, Systems Programming, C Programming, Web Engineering, Data Structures, Discrete Algorithms, Analysis of Algorithms, Cloud Software Systems

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

Experience:

Software Engineering Co-op – Belden (formerly Precision Optical Technologies)	08/2024 – Present
Technologies: C, C++, Make, Unix, Netconf, RPC, SNMP, Optical Networking, Yang	
<ul style="list-style-type: none">- Enabled breakout mode feature for QSFP NNI ports, providing lane-specific SNMP data and migrating tables to the 2.0 OID range, including LOS, uptime, MAC Address, and fault readings.- Created worker thread to consistently poll admin state of switch ports, and read system EEPROM files for transceiver presence, creating RPC alarms when transceivers aren't present in admin up ports- Replaced fan control system for network switches. The OS continuously altered the selected bank, preventing accurate data collection. Developed in-house fan control code to synchronize both bank selects.- Participate in stand-ups, sprint reviews, and regular backlog refinement meetings as part of a Scrum/Agile team.	
Product Specialist - Apple, Inc.	10/2023 – 2/2024
<ul style="list-style-type: none">- Orchestrated seamless customer experiences by leveraging Apple technologies, assisting an average of 12 customers daily with tailored solutions, device activation, data migration, with 80% of customers rating a 5/5- Collaborated closely with managers and team members to categorize customers, minimizing wait times and ensuring customized experiences that catered to individual needs	
IT/Computer Science Intern - Hardinge, Inc.	06/2021 – 08/2021
<ul style="list-style-type: none">- Collaborated with a software firm to implement machine-monitoring software providing at least 20 real-time metrics on efficiency, parts produced, and maintenance alerts- Created a system for auto-displaying PowerPoints on dozens of factory TVs, facilitating communication of critical information to hundreds of factory employees- Administrated general IT helpdesk support to hundreds of people per month	

Projects:

Music Link Converter (Personal Project)	12/2024 – 02/2025
Technologies: Typescript, HTML, CSS, Google Cloud Run, Google Cloud Build, Yaml, Docker, React, HTTP	
<ul style="list-style-type: none">- Built containerized React frontend and typescript backend, deployed via CI/CD with cloudbuild and docker-compose- Created iOS shortcut that sends curl commands to the backend, converting Apple Music links and Spotify links	
AWS Rock Paper Scissors (Academic Project)	02/2024 – 05/2024
Technologies: AWS, Machine Learning, Lambda, Terraform, Python, React	
<ul style="list-style-type: none">- Constructed an online, synchronous, multiplayer rock-paper-scissors game that employs image recognition to attain the player's chosen move.- Collaborated on backend for product, order, and user management, including an order confirmation email feature	
Scrumdinger App (Personal Project)	05/2023 – 08/2023
Technologies: Swift, SwiftUI, Xcode, Speech to Text	
<ul style="list-style-type: none">- Developed iPhone and iPad app to help manage and track Scrum style daily stand-up meetings	
Rideshare App (Academic Project)	02/2023 – 05/2023
Technologies: SQL, PostgreSQL, REST, Python, React, CI/CD	
<ul style="list-style-type: none">- Created SQL schema, REST API, and React frontend for rideshare website and used CI/CD on 100+ tests	
Dice E-Store (Academic Project, Team of 5),	08/2022 – 12/2022
Technologies: Typescript, HTML, CSS, Angular, Java, Web Development, Backend Development, Spring	
<ul style="list-style-type: none">- Built an E-store frontend, creating an engaging UI, and three secure admin interfaces	