

# YANG JI

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in LinkedIn

🐙 GitHub

🇨🇦 Canadian Citizen

## EDUCATION

**Cornell Tech University**  
Masters of Engineering in Computer Science

Aug 2025 - May 2026

**University of Waterloo**  
Honours Bachelor of Computer Science

Sept 2020 - May 2025

- **Relevant Courses:** Data Structures, Algorithms, Operating Systems, Human Computer Interaction, Computer Networks
- **Cumulative GPA:** 3.86/4.00 (**89.27%**)

## EXPERIENCE

**TribalScale**  
*Software Engineer Intern*

January 2024 - April 2024  
Toronto, ON

- Developed responsive frontend website components utilizing **React**, **Typescript**, **NextJS**, and **Tailwind**.
- Hosted website on **AWS Amplify**, utilizing **S3 bucket** for content storage, ensuring scalability and optimal performance.
- Leveraged the **Contentful** CMS for seamless content management and **100%** component customizability.
- Developed intuitive page templates utilizing a Contentful **rich text API**, allowing users to preview content in real-time.

**Untether AI**  
*Software Engineer Intern*

May 2023 - August 2023  
Toronto, ON

- Developed a comprehensive waveform visualizer GUI, combining a robust **Rust** backend with a modern **Tauri** frontend.
- Designed and implemented **5+** dashboards to visualize file register operations using **JavaScript**, **HTML** and **CSS**.
- Achieved Seamless **C++API** integration with Rust backend for Cross-Language functionality.
- Implemented **100%** user dashboard customization with **YAML** configuration files and **Serde** Integration.

**Wind River Systems**  
*Software Engineer Intern*

September 2022 - December 2022  
Ottawa, ON

- Implemented a dynamic drop down menu using **Python** and **Flask** to display **100%** of available release triage information, enhancing team productivity.
- Enhanced back-end efficiency by transitioning **Bash** scripts to Python, reducing processing time by **65%** and maintaining precision in parsing and updating **XML** files.
- Boosted retrieval and storage of Bash commands by **50%** through the Python subprocess, organizing data into **JSON** format.

**AMD**  
*Display Quality Engineer Intern*

January 2022 - April 2022  
Markham, ON

- Led weekly regression testing, efficiently identifying and resolving **5+** regressions and **100%** of all customer reported issues.
- Implemented an automated **Jira API** using Python that retrieves tickets and stores information in a **MongoDB** database, streamlined the data management process and improved efficiency.

**MarketBox Inc.**  
*Full Stack Developer Intern*

May 2021 - August 2021  
Toronto, ON

- Implemented an audit system by building **RESTful** services that tracked **95%** of all actions on the website.
- Utilized **AWS Amplify** and **GraphQL** databases / filters to improve load time of audit logs by **80%**.
- Developed a JavaScript CSV generator to parse data from **400+** clients, significantly reducing manual data search times.

## PROJECTS

**CovrAI - Startup** 🌐

- Implemented an AI-powered cover letter generator using Python and **OpenAI**, creating tailored letters by analyzing resume content and job descriptions.
- Designed RESTful APIs for resume parsing and user data management, storing information in **MongoDB** to ensure efficient data retrieval and scalable storage.
- Developed a website for CovrAI using React, **Node.js**, JavaScript, and CSS, allowing users to seamlessly upload resumes and generate cover letters, with all data securely processed and stored in the back-end.

## SKILLS

**Languages:** Python, Rust, C++, C, JavaScript, TypeScript, Kotlin, SQL, GraphQL  
**Frameworks:** React, NextJS, Tailwind, Node.js, JavaFX, Flask, Pytest, JQuery  
**Tools/Technologies:** Git, Bash, Linux, Docker, AWS, Jenkins, MongoDB, Spring, Contentful