

SEUNG JAE YANG

SEUNGJAE.YANG@MAIL.UTORONTO.CA | [LINKEDIN.COM/IN/SJ-YANG](https://www.linkedin.com/in/sj-yang) | [GITHUB](https://github.com)

EDUCATION

University of Toronto

Toronto, ON

BASc. in Computer Engineering, Minor in Engineering Business, cGPA: 3.70

Sep 2020 - May 2025 (Co-op/PEY)

Relevant Courses: Software Design, Data Structures & Algorithms, Intro to Databases, Operating Systems, Artificial Intelligence Fundamentals, Computer Networks, Digital Systems, Computer Security, Distributed Systems

Extra Curricular: UofT Jazz Band, UofT Supermileage Vehicle Design Team, UofT Run Club, You're Next Career Network

EXPERIENCE

You're Next Career Network (YNCN)

Mar 2021 – Present

Co-President/Director of Technology

Toronto, ON

- Leading an organization consisting of **60+ members** to connect **7500+ students** to **100+ company partners** through career fairs, workshops, and resources fully organized by YNCN.
- Led a team of **8 developers** and **2 UI/UX designers** to enhance YNCN's digital offerings for **6000+ students**.
- Led the design, development, and marketing of a fully interactive map application (maps.yourenext.ca) of the career fair venue built with **React, HTML, CSS, and AWS**, which was utilized by **3400+ users**.

Figma

Jun 2024 - Aug 2024

Software Engineering Intern

New York, NY

- Implemented new rendering methods in **C++** for several new features for texts in Figma editor.
- Worked closely with Product Designers on a daily basis to discuss design specs, and receive design feedback.
- Built the UI for the new text features using **TypeScript, React, and Redux** according to the Designers' designs.
- Organized and conducted user testing on a specific group of users to find bugs and receive user feedback by turning on feature flags through **Statsig**.

Google

Mar 2024 - Jun 2024

Software Engineering Intern

Sunnyvale, CA

- Made the objects cache on the Baseboard Management Controller's Redfish web interface (gBMCWeb) thread-safe in **C++** using **Mutexes** to allow multi-threading, which increased gBMCWeb's performance by **more than 100%**.
- Wrote configurable **Python** automation scripts that runs a series of performance tests across various URLs and generates tables of resulting latency data.

Amazon Robotics

Sep 2023 - Feb 2024

Software Development Engineer Intern

Toronto, ON

- Built a robotic workcell performance test framework using **Python** and **C++** that outputs latency metrics.
- Integrated the performance testing framework into the production deployment pipeline by defining **AWS Cloud Development Kits (CDK)** and configuring various AWS services such as **EC2, S3, Lambda**, etc.
- Built a dashboard to track performance metrics overtime using **React**, and the **JavaScript AWS SDK**.

Google

May 2023 - Aug 2023

Software Engineering Intern

Los Angeles, CA

- Implemented an experimental **multi-threaded optimization algorithm** in **C++** that **reduced average latency by 16ms** within the core Google Assistant NLU service.
- Built a Google Assistant developer tool using **TypeScript** and **Angular**, which increased debugging efficiency by **more than 100%** within the Assistant NLU pipelines.

Google

May 2022 – Aug 2022

STEP Intern (Software Engineering)

Waterloo, ON

- Developed a remote debugging tool for Chromium developers that allows live debugging of visual data.
- Added **multi-threading** support on the runtime-side in **C++** through **Lockless Programming, Atomic Variables, and Mutexes**, which allowed developers to live-debug visual data from multiple threads within Chromium.
- Wrote comprehensive **unit tests** in **C++** to validate thread-safety of the multi-threading support implementation.

TECHNICAL SKILLS

Programming Languages: C++, TypeScript, Python, JavaScript, SQL, C, Java, Ruby, HTML, CSS, Kiwi, MATLAB

Frameworks: AWS (EC2, Elastic Beanstalk), Angular, RxJS, React, PyTorch, Flask, PostgreSQL, Redux, Ruby on Rails

Developer Tools: Git, GitHub, Visual Studio Code, PyCharm, IntelliJ, Eclipse, Microsoft Power Platform, Microsoft Azure