

# Yanzhen Chen

+1 (825) 747-1417 | [career@yanzhenchen.ca](mailto:career@yanzhenchen.ca) | [linkedin.com/in/yanzhenchen](https://www.linkedin.com/in/yanzhenchen) | [github.com/YheChen](https://github.com/YheChen) | [yanzhenchen.ca/](https://yanzhenchen.ca/)

## EDUCATION

---

### University of Toronto

September 2023 – April 2027

Honours Bachelor of Science in Computer Science (Co-op) CS GPA: 3.81

Toronto, ON

**Relevant Coursework:** Data Structures and Algorithms, Advanced Algorithms, Operating Systems, Databases, Neural Networks and Deep Learning, Artificial Intelligence, Web Programming, Software Design

**Teaching Assistant:** CSC165: Mathematical Expression and Reasoning for Computer Science (Winter 2026)

## EXPERIENCE

---

### Software Engineer Co-op

May 2026 – Present

Bree (YC S21)

Toronto, ON

- Onboarded to a production fintech codebase by configuring development tools, internal communication systems, and local workflows, while learning Bree's pull request and release process.
- Delivered early product engineering changes across **TypeScript**, **Node.js**, and **React Native**, including removing placeholder content from auto-rejection emails and adding admin indicators for canary versus main-branch users.
- Added targeted alerting for BMO users, improving visibility and communication for a bank-specific user segment.

### Software Engineer

May 2026 – Present

Department of Computer Science, University of Toronto – MarkUs Project

Toronto, ON

- Selected to contribute to **MarkUs**, an open-source **Ruby on Rails** and **React** web application used for assignment submission, grading, and feedback workflows at the University of Toronto.

### Technical Lead & Software Engineer

January 2026 – Present

IQBank

Toronto, ON

- Built a user profile page in a **TypeScript** monorepo using **React**, **Tailwind CSS**, **Node.js**, **Prisma**, and **PostgreSQL** for an exam-preparation platform used by **300+** students per semester.
- Implemented local-storage-backed saved drafts for discussion threads, allowing users to resume unfinished posts.
- Served as technical lead for a **4-student** team building administrative features, reviewing technical designs and pull requests before instructor review.

### Software Engineer

May 2025 – Present

University of Toronto Machine Intelligence Team

Toronto, ON

- Built an admin dashboard for a **1500+** monthly visit site using **TypeScript**, **Next.js**, **Tailwind**, and **Supabase**.
- Implemented mobile-responsive views and dark mode to improve usability across devices and themes.
- Shipped product and UI fixes in a full-stack **Next.js** app with **Supabase** auth, database, and storage.

## PROJECTS

---

### TorontoGuessr | TypeScript, Next.js, Tailwind, Supabase, Google Maps API | Demo

April 2025 – Present

- Built a geolocation game in **TypeScript** using **Next.js** and Google Street View, averaging **300** monthly players.
- Built **RESTful API** endpoints that fetched and validated randomized Street View data from the Google Maps API, generating over **2,000** playable Toronto locations and supporting dynamic round generation.
- Implemented persistent leaderboard features including lifetime, daily, weekly, and monthly rankings.

### LeetCode | TypeScript, Fastify, Prisma, PostgreSQL, Discord API, Docker | Link

March 2026 – Present

- Built a full-stack Discord bot and backend for LeetCode communities, automating daily problem posts, verified account linking, stat syncing, and server leaderboards.
- Designed scheduled background workers and cached performance statistics to support recurring sync jobs and completion-feed notifications.

## LEADERSHIP EXPERIENCE

---

### President; Former Vice President of External Relations

May 2024 – Present

Computer Science Student Union

Toronto, ON

- Raised a total of **\$14,300** in sponsorships over two years by securing collaborations with **10 companies**.
- Led a team of **3 associates** to organize **8 professional development events**, including information sessions, resume review panels, workshops, and **3 career fairs** that connected over **2300** students with industry representatives.

## TECHNICAL SKILLS

---

**Languages:** Python, TypeScript, JavaScript, Java, Ruby, Go/Golang, C, SQL, HTML/CSS, R

**Frameworks:** React, Next.js, Node.js, Express, React Native, Tailwind CSS, Ruby on Rails, Flask, FastAPI

**Databases & Infrastructure:** PostgreSQL, MySQL, MongoDB, Firebase, Supabase, Prisma, Docker, Nginx

**Developer Tools & ML:** Git, GitHub Actions, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib