

Yanzhen Chen

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EDUCATION

University of Toronto

September 2023 – April 2027

Honours Bachelor of Science in Computer Science (Co-op) CS GPA: 3.82

Toronto, ON

Relevant Coursework: Algorithms, Operating Systems, Databases, Deep Learning, Artificial Intelligence

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

EXPERIENCE

Software Engineer Intern

May 2026 – Present

Bree (YC S21)

Toronto, ON

- Selected as 1 of 3 Software Engineering interns from a pool of **3,000+** applicants.
- Built and shipped full-stack product and internal tooling features in a **TypeScript** monorepo using **React**, **Netlify Functions**, **AWS Lambda**, and **Supabase/Postgres**.
- Designed and implemented schema-backed workflows spanning **PostgreSQL** migrations, backend APIs, search indexing, and React admin interfaces for application-default management, manual disbursement tracking, bank-account visibility, and financial investigation tooling.
- Built operational automation for **Zendesk** and **Slack**, including repeated-customer detection, duplicate-reply detection, refund-routing workflows, and chargeback-status handling.
- Delivered backend fixes including support for a previously unreachable application state, improving status accuracy.
- Removed unused admin-dashboard infrastructure and automated internal CX workflows.

Software Engineer

May 2026 – Present

Department of Computer Science, University of Toronto – MarkUs Project

Toronto, ON

- Contributed **7** merged pull requests implementing features, bug fixes, and test-suite improvements spanning authentication, course administration, and instructor workflows.

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 **6-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

- Developed features for a **Next.js**, **TypeScript**, and **Supabase** platform serving **1500+** monthly visitors, including administrative tooling and access-control functionality.
- Contributed **15** merged pull requests implementing administrative tooling, responsive interfaces, analytics integration, and performance improvements.

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.

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 events** and **3 career fairs** reaching **2300 students**.

TECHNICAL SKILLS

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

Frameworks: React, Next.js, Node.js, Express, React Native, Expo, Vite, AWS Lambda, Tailwind CSS, Ruby on Rails

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

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