

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: Data Structures and Algorithms, Operating Systems, Databases, Deep Learning

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.
- Leading the production migration of Bree's production **React Native** application from **React Navigation** to **Expo Router** (**78** screens, **230+** call sites); scoped a **4-milestone / 25-ticket** roadmap and built a dual-mode navigation shim enabling a zero-rewrite cutover.
- Built and shipped production full-stack features for a consumer fintech platform serving hundreds of thousands of Canadians using **React**, **Netlify Functions**, **AWS Lambda**, and **Supabase/Postgres**, including schema-backed workflows for application defaults, manual disbursements, bank-account visibility, and financial investigations.
- Built operational automation for Zendesk and Slack, implementing repeated-customer detection, duplicate-reply detection, refund routing, and chargeback workflows that improved internal support operations and application-state accuracy.

Open Source Software Engineer

May 2026 – Present

Department of Computer Science, University of Toronto – MarkUs Project

Toronto, ON

- Contributed **7** merged pull requests to MarkUs, an open-source assignment management platform used by **15,000+** students from the University of Toronto, the University of Waterloo, and Ecole Centrale de Nantes, improving authentication, course administration, instructor workflows, and test infrastructure.

Technical Lead & Software Engineer

January 2026 – Present

IQBank

Toronto, ON

- Lead a team of **6-developer** team building administrative tooling, driving architecture decisions, reviewing pull requests, and coordinating frontend and backend feature delivery.
- Built a user profile system in a **TypeScript** monorepo using **React**, **Tailwind CSS**, **Node.js**, **Prisma**, and **PostgreSQL** for an exam-preparation platform serving **300+** students per semester.
- Implemented local-storage-backed draft persistence for discussion threads, allowing users to resume unfinished posts across sessions.

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 and deployed a full-stack geolocation game using **Next.js**, **Supabase**, and **Google Street View**, serving over **300** monthly players with persistent accounts and competitive leaderboards.
- Built **RESTful API** endpoints for randomized Street View generation, persistent score storage, and real-time leaderboard functionality, supporting over **2,000** playable Toronto locations.

LEADERSHIP EXPERIENCE

President (Former 2x Vice President of External Relations)

May 2024 – Present

Computer Science Student Union

Toronto, ON

- Led a team of **3** associates, secured **\$14,300** in sponsorships from **10** companies, and organized **8** professional events, including **3** career fairs, serving over **2,300** 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, Ruby on Rails, Vite, Tailwind CSS

Databases & Infrastructure: AWS, Docker, PostgreSQL, Supabase, Prisma, Nginx

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