

ETHAN CHAN

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EDUCATION

University of Toronto
Honours Bachelor of Science in Computer Science

Scarborough, Ontario
Sept. 2021 - Present

WORK EXPERIENCE

CANADA LIFE

Jan 2025 - Present

Data Enablement and Governance Intern

Toronto, ON

- Developed **Power BI dashboards** to drive data-informed decisions across the organization. These tools centralized visibility into **4,000+ data assets**, boosted internal communication engagement, and streamlined attendance tracking across **6 Communities of Practice**.

ONTARIO TREASURY BOARD SECRETARIAT

May 2024 - Aug 2024

Technical IT Assistant

Toronto, ON

- Designed and implemented new **front-end features using JavaScript/TypeScript**, improving the application's functionality and user experience.
- Led regression testing efforts, identifying and resolving **50+ bugs** through proactive team collaboration and Agile methodologies, for continuous software improvement.

PROJECTS

UniRentals | *Django, React, Vite, Express.js, JavaScript, HTML, CSS, GitHub*

Oct 2024 - Dec 2024

- Developed a web application for university students to find housing near campuses, featuring an interactive map integrated with **Leaflet and OpenStreetMap** to display campuses and rental listings with detailed property information.
- Implemented backend services using **Django REST Framework and PostgreSQL** for user authentication, rental management, and routing data, integrating third-party APIs like **Google OAuth, OSRM, and Nominatim** for address handling and commute visualization.

FitBook | *React Native, Node.js, Express.js, JavaScript, MongoDB, Agile, Jira, Figma, GitHub*

May 2024 - Aug 2024

- Led full-stack development of FitBook, building the front-end in **React Native** and implementing **back-end RESTful APIs with Node.js and Express.js**, to develop a social media fitness application.
- Designed **MongoDB schemas** and queries and developed key features in **JavaScript**, including user authentication, session management, and social connections, for secure and real-time interactions within the app.

VOLUNTEER EXPERIENCE

ASSOCIATION OF MATHEMATICAL AND COMPUTER SCIENCE STUDENTS

Sept 2024 - Present

Special Events Associate

Scarborough, ON

- Led event-day operations of the CMS Gala for **200+ attendees**, managing the volunteers, catering logistics, prize selection, event programming, and communication with external staff and committees.

FUTURE OF ENGAGEMENT

Sept 2024 - Dec 2024

Software Developer

Remote

- Used Python to develop **web scraping and automation tools** to support election candidates from underrepresented communities.

COMPUTER SCIENCE ENRICHMENT CLUB

Sept 2024 - Dec 2024

Internal Coordinator

Scarborough, ON

- Coordinated logistics for club events, by managing room bookings, schedules, and staff personnel.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL, JavaScript/TypeScript, HTML/CSS

Frameworks: React, Angular, Django, Node.js, Express.js

Tools: Git, Docker, Power BI, Power Automate, Microsoft Excel, Azure DevOps, Vite, SSH, GitHub

Databases: MySQL, PostgreSQL, MongoDB, Firebase

Development & Workflow: Agile, Scrum, Jira, VS Code, Visual Studio, PyCharm, Eclipse, Android Studio