

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 support data-driven decision-making. One analyzed internal communities of practice by tracking attendance, engagement, and growth, while another visualized email communications using ContactMonkey data to assess recipient behavior and engagement.

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

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

Databases: MySQL, PostgreSQL, MongoDB, Firebase

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