# ETHAN CHAN

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## EDUCATION

**University of Toronto**                                                                    **Scarborough, Ontario**
**Honours Bachelor of Science in Computer Science**                              **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