

# 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