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 JavsScript/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