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 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**
- **Developed and optimized front-end features** using HTML, CSS, and Javascript/Typescript, reducing bug occurrences and improving application stability.
- **Led regression testing efforts**, identifying and resolving 50+ bugs through proactive team collaboration and real-time feedback sessions.

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, Node.js, Express.js, Javascript, MongoDB, Agile, Jira, Figma, GitHub*   **May 2023 - Aug 2023**
- **Led full-stack development of FitBook** by 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 and event programming while working with external staff and committees.

FUTURE OF ENGAGEMENT   **Sept 2024 - Dec 2024**
Software Developer   **Remote**
- Developed web scraping and automation tools using Python to support election candidates from underrepresented communities.

COMPUTER SCIENCE ENRICHMENT CLUB   **Sept 2024 - Dec 2024**
Internal Coordinator   **Scarborough, ON**
- Coordinate logistics for club events, by managing room bookings, schedules.

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