ETHAN CHAN

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EDUCATION

University of Toronto   **Scarborough, Ontario**
Honours Bachelor of Science in Computer Science   **2021 - 2026**

WORK EXPERIENCE

CANADA LIFE   **Toronto, ON**
Data Analyst – Data & AI Governance Team   **Jan 2025 – Present**
- Partnered with business stakeholders to **analyze requirements**, define KPIs, and develop **data visualization tools** in **Power BI** for over **1,700 data assets** and **140 AI use cases**.
- Automated **data collection and reporting** pipelines using **Python, Power Automate, SharePoint, Excel,** and **Microsoft Graph API**, to **improve accuracy and operational efficiency** across business units.
- Conducted **data analysis and process documentation** to track Copilot adoption metrics and provide insights to support leadership decisions.
- Contributed to **requirements gathering** and **stakeholder communication** to identify business needs.

ONTARIO TREASURY BOARD SECRETARIAT   **Toronto, ON**
Technical IT Assistant   **May 2024 - Aug 2024**
- Supported **data validation, testing, and debugging** activities, identifying and resolving **50+ software defects** to ensure application stability and data accuracy across key systems.
- Created internal tools and documentation to **improve accessibility of user data** and product training resources, enhancing adoption across the department.

PROJECTS

Parking Log | *React, Node.js, Supabase, JavaScript, Render*
- Built a **full-stack Progressive Web App** to solve the everyday problem of forgetting where you parked, featuring ticket scanning with **Tesseract.js and OCR**, real-time geolocation, and **data collection** to improve the user experience and location tracking accuracy.
- Implemented **data storage and query optimization with Supabase**, enabling secure and efficient retrieval of user activity data.

FitBook | *React Native, JavaScript, Node.js, Express.js, MongoDB*
- Led full-stack development of FitBook, using **React Native and Node.js** to create a social fitness application.
- Developed key features in **JavaScript**, including user authentication, session management, and social connections, for **secure and real-time interactions** within the app.
- Designed and managed **data schemas and RESTful APIs** in MongoDB and Node.js to enable user analytics and engagement tracking.

VOLUNTEER EXPERIENCE

ASSOCIATION OF MATHEMATICAL AND COMPUTER SCIENCE STUDENTS   **Scarborough, ON**
Vice President Special Events   **Sept 2024 - Present**
- Managing a 6-person team to deliver events for **250+ attendees**, overseeing **budget tracking, logistics coordination,** and **stakeholder reporting** to ensure successful outcomes.

FUTURE OF ENGAGEMENT   **Remote**
Software Developer   **Sept 2024 - Dec 2024**
- Used **Python** to develop **automation tools** to support election candidates from underrepresented communities.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript/TypeScript, C/C++
Tools: Power Platforms, Power BI, Power Automate, Excel, SharePoint
Data: Data Analysis, Data Visualization, Reporting, Data Modeling, Dashboard Design, Requirements Gathering, Stakeholder Communication
Development & Workflow: Agile, Scrum, Jira