

ERIC SONG

Toronto, ON | 647-829-3856 | eric.song@mail.utoronto.ca | [GitHub](#) | [LinkedIn](#) | ericsong.tech

EDUCATION

University of Toronto

September 2025 – Present

Honours Bachelor of Science — Mathematics and Statistics (Co-op)

SUMMARY

University of Toronto Mathematics and Statistics student with experience developing and deploying full-stack applications, building automation systems, and engineering reliable software for real-world use.

SKILLS

Languages: Python, TypeScript, JavaScript, SQL

Web & Backend: FastAPI, Node.js, React, Next.js, REST APIs

Databases & Data: PostgreSQL, SQLite, Supabase, SQLAlchemy, NumPy

Automation & Tools: Playwright, Pytest, Git, GitHub Actions, PowerShell

EXPERIENCE

Software Developer — GE Appraisal Consultant Service | [GitHub](#)

May 2026 – August 2026

React, Supabase, PostgreSQL, Google Maps Platform, Vercel

- Partnered with appraisal staff to build and deploy a React and Supabase property research application indexing 225+ appraisal reports, enabling nearby property comparisons by location and key attributes.
- Reduced comparable-property and report lookup time from 15–20 minutes to 1–3 minutes through clustered map pins, address autocomplete, and detailed property records.
- Built ingestion workflows for report metadata, photos, PDFs, and document bundles, securing access with Supabase Auth, role-based controls, and signed URLs.

PROJECTS

Runway — Social Media Post Creator | [GitHub](#)

July 2026 – Present

Python, FastAPI, SQLAlchemy, SQLite, NumPy, Next.js, TypeScript

- Built a web app that cut post research and captioning time from ~2 minutes to under 20 seconds across 60+ posts by surfacing relevant examples and generating captions.
- Indexed 770+ historical posts into searchable image and text records, using similarity-result caching to avoid redundant comparisons during retrieval.
- Compared two versioned caption-ranking models against an existing baseline using nearly 400 labeled creator preferences; retained the baseline after offline tests showed no reliable improvement.

Automation Supervisor — Process Monitoring & Recovery | [GitHub](#)

June 2026 – Present

Python, Textual, Windows ConPTY, PowerShell

- Built a Python/Textual process supervisor for 29 configured workflows, enabling three live systems to operate beyond their previous 8-hour daily window through scheduled execution and automated recovery.
- Implemented recovery from crashes, network outages, terminal exits, and restarts with an independent watchdog, completion validation, and controlled retries.
- Validated crash, hang, restart, and network-loss recovery with automated tests across 70+ fault scenarios.

Marketplace Trading Automation (CS2) | [GitHub](#)

January 2026 – Present

Python, Node.js, Playwright, REST APIs, GitHub Actions

- Built Python and Playwright automation around marketplace REST APIs, processing 200K+ marketplace listings and executing price comparisons and transactions within configured limits.
- Managed 2,000+ buy-order targets using live marketplace data, repricing outbid orders within price limits, restoring missing orders, and retiring outdated targets.
- Synchronized inventory, relisted items, and tracked 1,000+ sold items, contributing to US\$4K+ profit across multiple CS2 marketplaces.
- Persisted pending actions, guarded against duplicate offers or purchases after crashes, enforced balance and rate limits, and verified uncertain responses before retries.

ADDITIONAL EXPERIENCE

Content Creator — YouTube / Social Media

2021 – Present

- Grew social channels to 140M+ views, 290K+ followers, and US\$16K+ in revenue through audience analytics, retention analysis, and iterative content experimentation.