Brian Ma

+1 647–920–8850   brianmaytc@gmail.com   brianweihaoma.com

Education

University of Toronto. Honours Bachelor of Science. Sept 2019 – June 2023

- Courses: Operating Systems, Algorithms and Data Structures, Software Design, Software Testing, Databases, Parallel Programming, Web Development, Machine Learning, Artificial Intelligence
- ICPC bronze medalist, ECOO finalist, English tutor, orchestra pianist

Work Experience Full time

Nexus Energy. Software Engineer. Toronto, ON, CA, Hybrid. Jan 2024 – May 2025

- Python, Go, SQL, Unit Testing, Docker, Rundeck, Azure Web Services
- Migrated old and developed new scrapers to improve data response times by an average of 10%
- Optimized database synchronization tool for an average speedup of 50%
- Created adhoc tools and programs for the company upon request
- Managed a team of external developers for the development of company website

Work Experience Part Time

DataAnnotation. Data Annotator. New York, NY, US, Remote. Feb 2025 – Present

- Typescript, Python, C++, Go, Java, Formal Proofs, Technical Writing
- Created math and logic puzzles to discover weaknesses in specialized AI models
- Wrote ideal solutions addressing different issues in different codebases for AI models to train on
- Reviewed and critiqued technical reports of colleagues working in the same field

CCM. Software Engineer. Palo Alto, CA, US, Remote. Jan 2025 – Dec 2025

- Python, SQL, Unit Testing, Documentation
- Led the development of data pipelines to extract over a decade worth of filing data from more than 900,000 companies for stock analysis
- Provided thorough documentation and automated unit tests to assist in future development
- Provided follow-up consultation and support for future features

Projects

- **Raw Skills Game.** A collection of games to help improve fundamental cognitive capabilities like calculation speed, reaction time, and finger control.
- **Bulk Media Subtitles Syncer.** A command-line tool to help with syncing a large number of subtitles to target media audio with optimizations on RAM usage.
- **URL Alias Extension.** A Chrome Extension that allows users to use hotkeys and aliases to navigate the web. This extension has the Chrome Featured Badge and over 300 installations.
- **MISO Energy Data Extractor.** A Python library for streamlining the extraction of Midcontinent Independent System Operator public reports data.

Relevant Skills

- C++, C, Typescript, Python, Go, HTML, CSS, SQL, Bash, Java
- Linux, Algorithmic Logic, Object Oriented Programming, Automated Testing, Docker, AWS