Jiaqi Tu

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(604) 404 - 6680

EDUCATION

University of Toronto   Toronto, CA

Bachelor of Applied Science & Engineering   September 2021 – Present

Major – **Computer Engineering**

Minor – **Artificial Intelligence**

TECHNICAL SKILLS

- ETL
- Data platform Architecture
- Economic Analysis
- Unix scripting

- SQL/RDBMS Tuning
- Data framework optimazation
- Agile & Waterfall & V
- Game development

- Data migration
- Data Visualization
- Deep learning
- Web development

- AWS Cloud services
- Data analysis & summarize
- AI/Machine learning
- Application development

PROFESSIONAL EXPERIENCE

407 ETR Concession Company Limited   Toronto, CA

Data Platform Engineer   September 2024 – Present

Data Engineer *(intern)*   May 2023 – August 2024

- Designed and developed ingestion data patterns from 407 ETR data domains (Customer, finance, customer usage) to company data lake (data repository) for consumption / analytics by data scientists or analysts.
- Utilized cloud tools such as AWS Glue, Lambda, Eventbride, Appflow, Step function, etc. to automate daily ETL jobs and ensure data accuracy and migrating efficiency. Achieved a 30% increase in job efficiency and reduced costs by ~30% through data platform turning and redesign.

Easy Group   Toronto, CA

Academic Tutor   July 2022 – December 2022

- Tutoring math or engineering-related courses, enhances what they have learned in school, states the general course structure, and helps solve after-school academic problems.

University of Toronto   Toronto, CA

GIS system development   Jan 2022 – May 2022

- Using SDLC (software development life cycle)
- Using SQL to extract data from the GIS information database, using Gtk and Ezgl libraries in C++ to develop a entire GIS software
- Built a fully functional map which provides necessary information for normal using
- Implemented functions like navigation by using different path searching algorithms
- Functional and unit testing after different levels of project development

Educational pathway website design   Sep 2022 – Dec 2022

- Using agile development
- As a team of five, based on the previous school's Educational Pathway system, optimize and enhance what has been implemented
- Based on feedback from users, update and design new features, UX/UI, and system structure.

AWARD

- Top 1% in Mathematics Contest (University of Waterloo), received a medal
- Dean's List scholarships, University of Toronto (CGPA 3.5+)