

Noel Toms

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EDUCATION

University of Toronto

Hons. BSc in Computer Science & Mathematics

Toronto, ON

Sept. 2021 – April 2025

- CGPA: 3.77/4.0
- Relevant Courses: Software Design(**Java**), Software Tools and Systems Programming(**C**, **Unix**), Data Structures and Analysis(**hashing**, **heaps**), Computer Organization

EXPERIENCE

Sun Life

Data Analyst

May 2022 – Aug. 2022

Toronto, ON

- Developed the data infrastructure required for optimal extraction, transformation, and integration of data from disparate data sources using **Microsoft SQL Server** and cloud-based big data technologies
- Implemented **automation** for collecting, transforming and storing data using **Python** and **Dagster**
- Used **Postman** to test **API** calls from the **Tableau API** and **Wrike API** and store it in a **SQL Server** database.
- Extracted data from **Amazon S3 Bucket** for data transformation and manipulation.
- Built **Dagster Framework** for future ease in creating python dagster automation scripts. Features includes loading data to a database(SQL, Postgres, DB2), pulling data from datasources, converting to and from data-frames, running DBT structures, and **asynchronicity** for the aforementioned functionalities

PROJECTS

Focus | *MERN Stack(MongoDB, Express, React, NodeJs)*

- Developed a website for students to track their to-do items and be productive through other means
- Built an appealing frontend using **React** and **CSS** stylistic elements.
- Implemented **MongoDB** so that users can save their to-dos and
- Created REST API to create, delete and modify todos

Stock Simulator | *Java, Java Swing, Yahoo Finance API, SQL Server*

- Developed a stock simulator application for users to practice trading stocks using real market vales
- Built a user friendly and appealing UI using **Java Swing** following **Dependency Inversion** and **Single Responsibility SOLID Principles**
- Implemented **Singleton**, **Dependency Injection**, **Simple Factory** and **Observer design patterns**
- Created a simulator with up-to-date stock market values using **Yahoo Finance API**
- Utilized SQL Server to store user portfolios and watch lists.

TubeStats | *Python, Django, JavaScript, YouTube API, SQLite3*

- Developed a web application using with **Django** serving the **YouTube API** with **JavaScript** as the front-end
- Implemented a database using **SQLite3** to store user saved channels
- Visualized YouTube channel statistics
- Used **JavaScript** for asynchronous tasks

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, HTML/CSS

Frameworks: React, Node.js, dbt,

Developer Tools: Git, BitBucket, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Postman API, JIRA, SageMaker, Amazon S3, MongoDB, Express

Libraries: Pandas, NumPy, Matplotlib, JavaSwing, Django, Dagster, Dagit