

Tim Jones

<https://www.linkedin.com/in/timothy-jones-647930178/> • timfmjones@gmail.com • 289.983.8514
<https://github.com/timfmjones>

Software developer with a track record of crafting dynamic web applications, managing databases, and architecting robust cloud infrastructures. Dedicated to staying at the forefront of technological advancements, with a passion for innovation.

EDUCATION

University of Waterloo, Waterloo, Ontario

Major: Management Engineering with Computing, Honours, Co-operative Program

Relevant Coursework: Advanced Machine Learning (Python), Search Engines (Go), Principles of Software Engineering, Data Structures and Algorithms (Java), Databases and Software Design (SQL), Analytics and User Experience (R)

PROFESSIONAL EXPERIENCE

Weather Network, Remote/Oakville

Sept 2022 – Dec 2022 (co-op)

Software Developer - Data

- Optimized data pipeline for direct loading into BigQuery using Python removing use of Google Cloud Storage.
- Implementing robust server-side solutions for optimal performance and scalability using Python, Node.js, and React.
- Automated weekly tasks using Apache Airflow and Python, resulting in **savings of at least 60 minutes per week**.
- Managed large databases, ensuring accuracy through regular backups and monitoring of performance, using GCP.
- Implemented data verification on API using React and Python, resulting in a **10% reduction of errors**.

Ultimate Kronos Group, Remote/Toronto

Jan 2022 – April 2022 (co-op)

Full Stack Developer

- Implemented A11y Accessibility standards **improving users engagement by 8%**.
- Developed web services and features for web application using Angular, Typescript, SQL Server, and Java
- Developed web services using restful API for inter-application communication.
- Used Karma and Cypress to rebuild end-to-end testing infrastructure **reducing test time by 33%**.

RVezy, Remote

May 2021 – Aug 2021 (co-op)

Full Stack Developer

- Designed and developed C# components for a 3-tier web application using Angular, C# and SQL
- Implemented service tracking and notifications to **reduce errors by ~30%** using Zendesk.
- Rebuilt web application by migrating front-end from Ember.js to Vue.js

Flowmetrix Technical Services (Smith Cameron Group), Remote

Sept 2020 – Dec 2020 (co-op)

Data Analyst

- Project lead on data analytical review to maximize revenue streams using business intelligence strategies.
- Conducted data cleansing and mining on over 10,000 rows of financial data using Excel VBA.

Ontario Lottery and Gaming Corporation, Toronto, Ontario

Jan 2020 – June 2020 (extended co-op)

Quality Assurance Developer; iOS, Android

- Increased scope and specificity of error logging within Mobile App Test Automation using Java, Python, and Karate
- Designed and implemented large-scale **data migration** methods, using SQL Server.

inCTRL Solutions, Hamilton, Ontario

June 2019 – Aug 2019 (co-op)

Junior Software Engineer

- Project lead on economic decision support tool, including development, optimization, and quality assurance, using C#.

SKILLS

Technical Skills: Java, C++, Go, Typescript, HTML, JavaScript, CSS, SQL, C#, .Net, Docker, Python, React

Skills: Scrum, Agile, Kanban, A11y Accessibility Standards, Project Management