

Justin Cooke / Data Analytics Developer

Contact

e: jstncooke@gmail.com **t:** (613) 869-4251 **w:** jstnck.github.io

Work Experience

Beam Data / Analytics Solutions Developer

MARCH 2021 - PRESENT | TORONTO, ON

- Start-up Client: Productionized a machine learning recommendation engine using Docker and Airflow, sped up from daily to on-demand recommendations.
- Academic Client: Automation, storage, data cleaning and analysis of geospatial and image datasets for major research projects.

KAR Global / Data Engineer

JANUARY 2022 - NOVEMBER 2022 | TORONTO, ON

- Datawarehouse Migration: Successfully completed a full migration from Redshift to Snowflake, including all database objects, ETL pipelines and backups.
- Data Pipelines: Lead data engineer on implementing dbt for in-database transformations, ETLs developed using Airflow, Kubernetes, Python.
- Unit/Integration Testing and Deployment: Automated the testing process for new ETLs with pytest and tox, Sonarcloud code coverage, CICD using Azure Devops.
- Data Modeling: Designing Datawarehouse environments for testing, development, and production. Data modelling using star/snowflake and denormalized schemas.

Ontario Government, Min. of Children,

Community & Social Services / Sr. Research Associate

AUGUST 2016 - JANUARY 2021 | TORONTO, ON

- Project Management: Lead Researcher and project manager on high priority data integration project linking multiple complex datasets.
- Analytics: Built Web Portal and PowerBI Dashboards for Ontario immigration data. Data cleaning and analysis for policy and program development.
- Privacy & Governance: Managed the development of a Privacy Impact Assessment governing a PII data pipeline.

The Conference Board of Canada / Economist

JUNE 2011 - MARCH 2015 | OTTAWA, ON

- Lead economist covering Canadian Territorial economies, conducted interviews with both local and national media.
- Designed, estimated, and maintained econometric and fiscal forecasting models.
- Created customized economic impact and policy studies.

Key Skills

PROGRAMMING

Python
SQL
R
JavaScript
VBA

DATA VISUALIZATION

Plotly / Dash
Streamlit
R Shiny
PowerBI
Superset

DATA PROCESSING

Pandas
Dask
Spark
PyTorch
SSIS

CLOUD / DEVOPS

AWS / Azure
Airflow
Git
Azure Devops
Docker
Databricks

DATA STORAGE

Postgres
Elasticsearch
Snowflake
BigQuery
MS SQL Server

Education

Oregon State University

BSc, COMPUTER SCIENCE
2025 | REMOTE

WeCloudData

DIPLOMA, DATA ENG.
2021 | TORONTO, ON

Queen's University

MA, ECONOMICS
2016 | KINGSTON, ON

University of Guelph

BCOMM, ECONOMICS
2009 | GUELPH, ON