

Data Scientist |
Government of Canada
Recognition |Building
Intelligent Apps
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Calgary, Alberta, Canada

Alex Jacob

Profile

Data Scientist with 4+ years of experience applying statistical thinking, automation, and machine learning to solve real-world problems in logistics and mobile applications. Recognized by the Government of Canada for UX and data design innovation, and selected by Apple for an exclusive AI & On-Device ML Workshop. Passionate about building clean data pipelines, analyzing operations at scale, and translating insights into impact. ([More details in Portfolio](#))

Employment History

Software Developer at Cole International, Calgary, Alberta, Canada

11/2024–Present

- Building scalable backend services for logistics data processing and workflow automation.
- Supporting data integrity and transformation for cross-border shipment intelligence tools.

Process automation analyst at Cole International, Calgary, Alberta, Canada

09/2024–11/2024

- Automated customs workflows using Python to reduce manual intervention and improve data reliability.
- Streamlined invoice metadata parsing and pre-alert generation, leading to faster customs clearances.

Links

[Portfolio](#)
[LinkedIn](#)
[Github](#)

Skills

Languages & Tools: Python, SQL, Swift, Git, Java	5/5
Data Science: Pandas, NumPy, Scikit-learn, Jupyter	5/5
Visualization: Seaborn, Matplotlib, d3.js	5/5

Analyst - Customs, Thunder Bay, Ontario, Canada

05/2021–09/2024

- Reviewed structured customs documentation to ensure EDI compliance (CBSA, CADEX/ACROSS).
- Analyzed trends in customs rejections and delays, improving first-pass clearance rate.
- Coordinated large-scale shipment datasets across multiple agencies (CFIA, NRCAN), maintaining data accuracy and completeness.

Mobile Application Developer at Freelance

02/2022–Present

- Designed, developed, and published 4 iOS apps using **Swift**, **SwiftUI**, and **Firebase**, with a focus on wellness, creativity, and travel.
- Integrated **Core ML** to enable intelligent, on-device features and offline-first user experiences.
- Managed full app lifecycle: design, backend integration, testing, and App Store deployment.
- Selected by **Apple** for its exclusive **AI & On-Device ML Workshop** based on innovation in mobile intelligence.

Education

Post graduation in Engineering Business and safety management, Confederation College

12/2019–05/2021

Bachelor of Technology - BTech in Mechanical (robotics and control systems), MIT

01/2015–01/2019

Projects and Recognition

■ 2nd Prize – Natural Resources Canada UX & Data Innovation Challenge

Improved Canada's Open Science Data Portal; selected from over 100 participants for design and analytics excellence.

■ Selected – Apple AI & On-Device Machine Learning Workshop

Recognized for innovative ML-driven apps such as *Conscious Planet*, combining wellness and automation.

Volunteering

Voluntary high school teacher at Kalisu Foundation

03/2018–09/2018