

Data Scientist |
Government of Canada
Recognition |Building
Intelligent Apps
alixjacob559@gmail.com

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.

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.

Links

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

Skills

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

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