

JESSE ONLAND

DATA SCIENCE AND BUSINESS INTELLIGENCE

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EXPERIENCE

Samos Insure — Data Scientist

FEB 2021 - JUL 2023

- Was responsible for all quantitative insights, communicating results in reports, presentations, and data visualizations.
- Wrote and documented code to process millions of rows of healthcare data.
- Used machine learning and classical statistical techniques to develop the pricing model underlying an innovative new insurance product.
- Built domain knowledge in surgical mortality risk and identified actionable insights in peer-reviewed medical literature.
- Mentored co-op students, helping to develop their data analysis skills and integrating their contributions.

Allianz Global Assistance — Data Analyst

MAR 2018 - JAN 2021

- Developed, maintained, and automated internal and client-facing reporting.
- Collaborated in a business-wide transition to a modern analytics software stack and data-driven culture; helped design and test a new data warehouse and ETL pipeline.
- Advocated for change in the departmental culture based on an investigation of the impact of claim processing turn-around time on discount rates.

Green Brick Labs — Junior Numerical Analyst

JUN 2015 - MAR 2017

- Modeled sports odds and verified statistical properties of casino games.
- Supported risk management reporting.
- Developed data visualization of complex user transaction data to support the investigation of user fraud and collusion.

EDUCATION

University of Waterloo — BMath

SEP 2008 - AUG 2013

- Major: Combinatorics & Optimization.
- Minor: Philosophy

PROJECTS + OTHER INTERESTS

- See jdonland.github.io

SKILLS + TECHNOLOGIES

Languages:

R ●●●●○

Python ●●●○○

SQL ●●●○○

Tools & Frameworks:

tidyverse ●●●●●

tidymodels ●●●●○

Excel ●●●●○

Shiny ●●●○○

Power BI ●●●○○

pandas ●●●○○

SSRS ●●●○○

Tableau ●●●○○

dbt ●●○○○

Keras ●○○○○

scikit-learn ●○○○○

Collaboration:

git + GitHub/GitLab

Microsoft Teams + SharePoint

Google Workspace

Jira

Notion

Airtable

Trello