

# JESSE ONLAND

DATA SCIENCE AND BUSINESS INTELLIGENCE

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[jdonland.github.io](https://jdonland.github.io)

## 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](https://jdonland.github.io)

## SKILLS + TECHNOLOGIES

Languages:

**R**

**Python**

**SQL**

Tools & Frameworks:

**Power BI**

**Tableau**

**Excel**

**Quarto/Jupyter**

**Shiny**

**tidyverse**

**tidymodels**

**scikit-learn**

**pandas/polars**

**SSRS**

**dbt**

Collaboration:

**git + GitHub/GitLab**

**Microsoft Teams + SharePoint**

**Google Workspace**

**Jira**

**Notion**

**Airtable**

**Trello**