

CONTACT

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SKILLS

Programming/software

- Python (numpy, pandas, scikit-learn, keras, matplotlib, streamlit)
- SQL
- R
- Excel/VBA
- Alteryx
- Power BI

Machine learning/Analysis

- Linear regression
- Ensemble models
- Deep learning/Neural networks
- Natural Language Processing
- Clustering
- Outlier detection
- Monte Carlo Simulation
- Optical Character Recognition
- Visualization

EDUCATION

2016

MSc Statistics (Co-op) – GPA 3.92
Acadia University, NS

2014

Graduate Certificate in Statistics
University of Sheffield, UK

2010

BA (Hons.) Economics
University of Sheffield, UK

CERTIFICATION

Alteryx Designer Core Certificate
Alteryx, 2021

Certificate in Skills for New Managers
Saint Mary's University, 2020

TOM BENNETT

Data Scientist

EXPERIENCE

Data Scientist

Oct 2023 – Present

Babcock Canada, Halifax, NS

- Ran Monte Carlo simulations to predict part failures and estimate replacement costs based on vessel maintenance schedules
- Created an Optical Character Recognition (OCR) process to automatically extract key information from PDF manuals

Data Scientist

Apr 2021 – Oct 2023

Eastlink, Halifax, NS

- Created pipelines to extract/transform data, generate predictions, and create reports
- Built a churn prediction model to identify customers who are at a higher risk of churning, which provided guidance for the retention team and helped prevent revenue loss
- Used a combination of NLP, clustering, and logistic regression to categorize incoming support tickets based on free text notes made by call centre agents

Data Scientist/Analyst

Jul 2020 – Apr 2021

Freelance, Halifax, NS

- Worked on numerous projects for a variety of clients
- Types of project included prediction models (random forest, GBM, regression), VBA macro creation, and data exploration/analysis

Data Scientist

Feb 2017 – Jul 2020

Property Valuation Services Corp. (PVSC), Dartmouth, NS

- Designed and developed an app that generates a list of comparable sales for a given property, which significantly reduced the preparation time needed for property assessment defence in court/tribunals
- Built GBM models to predict sale price for residential properties, which were used to create property assessments for tax purposes
- Built similar models for other jurisdictions such as British Columbia and the Netherlands
- Developed an API to allow the property appraisal software to interact with the valuation model, so that predicted values would update when changes were made to a properties attributes
- Consulting analysis on behalf of the Auditor General of New Brunswick
- Educating assessors about models/statistics

Data Analyst (Co-op) – *Adroit Vista, Wolfville, NS*

May 2015 – Aug 2015

Finance Analyst – *UTC Aerospace, Wolverhampton, UK*

Aug 2013 – Aug 2014

Reporting Analyst – *Tradedoubler, Telford, UK*

Jan 2013 – Aug 2013