Paul Pawelec

https://paulpawelec98.github.io/Portfolio/

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WORK EXPERIENCE

- **Apziva** — Remote, Ont
  Machine Learning Resident — *January 2025 - Present*
  - Collaborating on machine learning projects as a resident at Apziva, leveraging professional mentorship to develop practical machine learning solutions and gain hands-on industry experience.
  - Developed and analyzed customer satisfaction datasets using Python and Jupyter Notebook to extract actionable insights. Github: Customer Happiness Classification

- **Nowsite** — Toronto, Ont.
  Data Analyst — *June 2024 - Oct. 2024*
  - Worked directly with the executive team to leverage Python, MongoDB, and Excel for data manipulation, reporting, and analysis for development, finance, and operations tasks.
  - Saved hours of manual reporting work by creating scheduled tasks for updating Google Sheets and automated data processes using Python, Google Cloud, and other APIs.
  - Reduced redundant code and optimized workflows for ad-hoc and automated data analysis by designing and developing a personal Tkinter application in Python.
  - Note: Position concluded due to organizational restructuring.

- **University of Guelph** — Guelph, Ont.
  Economics Research Assistant — *Sep. 2022 - May 2023*
  - Enabled accurate analysis and policy modeling for senior researchers by cleaning and organizing large datasets related to safeguards and tariffs from international databases.
  - Applied advanced economic models and analytical techniques to evaluate bond market returns across markets with Python and Refinitiv Eikon API.

- **Linamar Corporate** — Guelph, Ont.
  Data Analyst Co-op Student — *Sep. 2020 - Dec. 2020 & May 2021 - Sep. 2021*
  - Assisted in data manipulation, reporting, data visualization and analysis using R, Excel, and Power BI for finance and operations-related projects.
  - Designed and implemented processes to prepare data for forecasting working capital. Developed a ranking system using linear optimization to evaluate and identify the best performing models out of hundreds of thousands of unique forecast combinations.
  - Validated tens of thousands of invoices for syntax and errors using algorithms, list-based rules, and regular expressions in R.

TECHNICAL SKILLS

Languages: Python, R, SQL
Software: Google Workspace, Microsoft Office, MongoDB, Power BI, Tableau
Tools & Technology: Appcues, Grafana, Mailchimp, Recurly, Zapier
Developer Tools: Jupyter Notebook, R Markdown, R Studio, Spyder, Visual Studio Code
Libraries: keras, Matplotlib, NumPy, openpyxl, pandas, pydantic, scikit-learn, dplyr, gbm, ggplot2, glmnet, knitr, pls, randomForest, stargazer, tidyverse

EDUCATION

University of Guelph – Gordon S. Lang School of Business & Economics — Guelph, Ont.
- *Master of Arts - MA; Financial Economics; GPA: 3.7*
- *Bachelor of Commerce - BCom; Finance; GPA: 3.9*