317-364-3113
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Canyen Palmer

Data Scientist

Portfolio: portfolio-five-tau-84.vercel.app
MyCaddy: mycaddy.onrender.com
GitHub: github.com/CanyenPalmer
LinkedIn: linkedin.com/in/CanyenPalmer

Skills & Tools

Programming:	Python, R, SQL
Machine Learning:	Regression, Clustering, Tree-Based Methods, Feature Engineering, Forecasting, Model Evaluation
Libraries & Frameworks:	Pandas, NumPy, scikit-learn, XGBoost, SciPy, statsmodels, Tidyverse, Flask, FastAPI
Visualization:	Tableau, Power BI, Matplotlib, Seaborn
Data & Platforms:	ETL/ELT, APIs, Advanced Excel (Power Query/Power Pivot), Anaconda/Conda
Ops & Deployment:	Git/GitHub, Jupyter, Vercel, Render

Technical Experience

Lead Analyst — **June 2025 — Aug 2025**
Iconic Care Inc — *Indianapolis, Indiana*

- Built a Python + Pandas ETL pipeline to mine CSV/Excel, uncovering $30,000+ in unpaid CGM responsibility. Repository: https://github.com/CanyenPalmer/CGM-Patient-Analytics
- Developed financial forecasting models in Python and Excel to identify over $75,000 in projected annual savings through advanced data extraction, statistical analysis, and visualization.
- Conducted systems engineering using Python, SQL, and Brightree ad hoc reporting to automate key stages of the ordering cycle, reducing turnaround time up to 55%; instrumented KPI reporting for visibility.
- Designed and deployed interactive Tableau and Excel dashboards that increased order-cycle efficiency by 37% and enabled real-time, cross-departmental insights.
- Utilized EDA to design dynamic consignment pricing; improved billing claim success by 65%.

Billing & Revenue Specialist — **May 2025 — Jun 2025**
Iconic Care Inc — *Indianapolis, Indiana*

- Optimized payor-level dashboards, billing cycle processes, HCPCS code validations, and reimbursement data pipelines for clear interpretation across departments using Excel and ad hoc reporting.
- Collaborated with cross-functional teams to communicate analytical insights and enhance operational efficiency company-wide.

Education

Master of Data Science, *University of Pittsburgh* — Aug 2025 — Present
Bachelor of General Studies in Mathematics, *Ball State University* — Aug 2020 — May 2024
Associate of Arts in Computer Science, *Ball State University* — Aug 2020 — May 2022
Dean's List, *Ball State University* — May 2023 — Aug 2023
Academic Scholarship, *Franklin College* — 2019

Projects

MyCaddy | Physics-Based Golf Calculator — **Aug 2025**
*L*ive Demo: https://mycaddy.onrender.com — Greenfield, Indiana
*R*epo Link: https://github.com/CanyenPalmer/MyCaddy

- Developed a physics-based golf calculator integrating real-time environmental inputs and swing mechanics to generate optimized yardage predictions, reducing MAE by $\sim$ 12%.
- Engineered a modular architecture supporting dynamic yardage computation, live condition summaries, and a responsive GUI with flyer-lie mode, resulting in the reduction of stroke average by $\sim$ 5% across pilot users/testers.
- **Tech Stack:** Python, Flask, Gunicorn, Jinja2, CSS | Deployed on Render (cloud-hosted)

Salifort Motors | Employee Attrition Prediction — **July 2025**
*R*epo Link: https://github.com/CanyenPalmer/Logistic-Regression-and-Tree-based-Machine-Learning — Muncie, Indiana

- Designed and implemented end-to-end predictive models in Python (pandas, matplotlib, scikit-learn, XGBoost) to identify employee turnover risk.
- Logistic regression achieved 83% accuracy with precision 80%, recall 83%, and F1-score 80% on the test set.
- After feature engineering, decision tree and random forest models achieved AUC 93.8%, precision 87.0%, recall 90.4%, F1-score 88.7%, and accuracy 96.2%, demonstrating strong generalization and interpretability.