

Jonpaul Wright

SENIOR DATA SCIENTIST

📞 940.781.7602

✉ jonpaul.wright@icloud.com

🌐 jp-wright | in jp-wright

SKILLS

DATA SCIENCE

Exploratory Data Analysis
Regression & Classification, Regularized
Frequentist & Bayesian Analysis
A/B & Multi-Armed Bandit Testing
Natural Language Processing
Naive Bayes

Supervised Learning:

Random Forest, Gradient Boosting,
SVM, Neural Networks

Unsupervised Learning:

Clustering, Dimensionality Handling,
NMF & Recommender Systems

Cluster/Cloud Computing:

AWS, Hadoop, PySpark, Azure

PROGRAMMING

Python [Pandas, NumPy
SciKit-Learn, SciPy, Web Scraping,
Engineering & API, Custom Data Email]
Other [R]

Databases [SQL, PostgreSQL, Hive]

Visualization [Plotly, Dash,
Tableau, Seaborn, Matplotlib, Altair]

Dev/Utility [Git, HTML, Cron,
Markdown, \LaTeX]

EDUCATION

GALVANIZE

DATA SCIENCE IMMERSIVE
2016 | Denver, CO

ADDITIONAL COURSEWORK

Modern Python App Dev. on AWS
PySpark for Big Data
Python Flask Web Dev.
Interactive Python
Python Web Data & Databases
Analyzing Data in R

UNIVERSITY OF COLORADO

B.S. CHEMISTRY

MINOR, MATHEMATICS
Boulder, CO

COURSEWORK & RESEARCH

Multiple-Sclerosis Gene Therapy
Atmospheric Chemistry at CIRES
Nanoparticles in Medicine & Environment
Advanced NMR Spectroscopy
Ordinary & Partial Differential Equations
Quantum Chemistry

DATA SCIENCE EXPERIENCE

VIRTUWELL | DATA SCIENCE ENGINEER

Jan 2023 - May 2023

- Deployed and monitored Facebook **Prophet** model using **Docker**.
- Optimized treatment effectiveness by health protocol per provider.

DAUGHERTY BUSINESS SOLUTIONS | DATA SCIENTIST

Jan 2022 - Present

International Healthcare Client - Senior Data Scientist

- Optimized existing **AWS SageMaker** workflow of 25M+ weekly records to run in four hours instead of thirteen, saving up to \$10,000+ monthly.
- Dataset-specific performant code rewrites for **Pandas** and **PySpark**.
- Used **AWS Athena** and **S3** and interfaced with **Python** via **awscli**.

KPMG | DATA MODELER & ENGINEER

Jan 2018 - Nov 2021

International Telecom Client - Lead Data Scientist

- Built mixed model via regression and ensemble trees for predicting customer churn and industry churn using **Python** & **SQL/HQL**.
- Crafted new model targets using public quarterly reports and client's data.
- Migrated **Python** & **SQL** pipeline from IBM Netezza to **Hive**. Created custom **Python** utility package, allowing new script execution in native Python.
- Automated pipeline, integrity checks, reporting, and generation of deliverables.
- Presented results to client digitally monthly via **Tableau**, and in person annually.

International Pharmaceutical Client - Lead Data Scientist & Engineer

- Lead data role on fraud detection solution for pharma client that helped catch a ring of 10 criminals committing \$46M in fraud. See [article](#).
- Maintained, tuned, and normalized scoring model and logistic classifier.
- Automated pipeline and converted Alteryx workflows into **Python** scripts.
- Migrated native Python scripts to **PySpark** (& **Koalas**) to run in DataBricks.

Signals Repository - Python Developer & Data Engineer

- Designed new geo-based functions via **Python**-based API to evaluate given areas on key metrics for client-facing **data platform**.
- Wrote transformation scripts converting web selections into database queries.

National Insurance Client - Interim Manager

- Interim manager on web app project using internally-built NLP platform to OCR, annotate, and extract financial formulas automatically from PDFs.
- Managed stakeholders from European app design team in unison with domestic NLP team to deliver on budget and on time, while maintaining data governance.

PELLUCID ANALYTICS | PYTHON DEVELOPER

June 2017 - Dec. 2017

- Optimized codebase for FinTech startup. Created new **Python** modules.

GALVANIZE | INSTRUCTOR - PYTHON DATA SCIENCE FUNDAMENTALS

May 2017 - Jan 2018

- Taught bash, data structures, control flow, I/O, OOP, NumPy, Pandas, and linear and logistic regression models to data science students.

MISCELLANEOUS

Highly Technical NFL Betting Market Modeling • Published "Nanomedicine: Small Particles, Big Concerns," Penn. Journal of Bioethics • Member of Mensa.