

Donald Pierce

Software Engineer

Physicist turned data whisperer, capable of science-driven work, managerial duties, and strategy.



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New York, NY



linkedin.com/in/donjpierce



github.com/donjpierce

SKILLS

Python3

pandas

SQL

scikit-learn

Tableau

Redshift/S3

AWS Athena

AWS Glue

Dask & Coiled

Flask/Dash

Node & JS

C++

BigQuery

GCP

Gremlin

Jinja

HTML

Git

AWS SageMaker

INTERESTS

Designing the cities of the future

Playing jazz sax

Algo trading

WORK EXPERIENCE

Software Engineer

Technology Crossover Ventures

07/2021 - Present

New York, NY

Venture Capital & Private Equity - Working within the Digital Intelligence Group (DIG)

Achievements/Tasks

- Helping build one of the most advanced deal sourcing and CRM applications in private markets.
- Maintaining and developing alternative data pipelines to power ML models and serve a data-intensive application to ~400 investors across the globe: New York, Menlo Park/SF, London.
- Maintainability and scalability of data fusion and information retrieval systems, processing 10s of TBs of alt data on private and public companies.
- Cloud-based ETL/ELT pipelines.
- Relationships with data vendors, discovery and evaluations of new dataset opportunities and 3rd party SaaS products / tools.
- Dask, Coiled, Airflow, AWS Athena / Glue / SageMaker / EC2, Heroku, Jupyter Notebook.
- Python (OOP, multiprocessing, distributed computing, big data engineering, architecture) - Node (web application, web scraping, Puppeteer) - SQL (Presto, Standard SQL, Hive, Athena).
- Agile sprint cycles and planning, submitted software design proposals and tracked OKRs.

Senior Analyst, Analytics

Carat

02/2020 - 06/2021

New York, NY

Proctor & Gamble Line of Business

Achievements/Tasks

- Promoted to Manager, Analytics in May, 2021

Contact : Matthew Purdie-Smith - Matt.Purdie-Smith@carat.com

PERSONAL PROJECTS

Traffic (11/2018 - 02/2019)

- Full stack python physics simulation and reinforcement learning algorithm using TensorFlow available at: github.com/donjpierce/traffic

EDUCATION

B.A. Physics and Mathematics

New York University

09/2014 - 05/2019

New York, NY

Courses

- Ordinary and Partial Differential Equations
- Combinatorics with Graph Theory
- Quantum Field Theory I & II
- Computational Modeling and Simulation
- Statistics and Probability Theory
- General Relativity