Donald Pierce

Software Engineer

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

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(248) 977 0841

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 completed projects

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