

Brendon Lucas

DATA ENGINEERING · DATA SCIENCE · MACHINE LEARNING

Providence, Rhode Island, USA

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“Data is the new oil.”

Summary

Experienced data professional with a formal background in machine learning, mathematics, and data science. I have a proven ability to manage and modernize legacy data platforms to meet modern business needs. Equally adept at working independently and collaboratively, I navigate ambiguity and uncertainty to deliver high quality solutions on time and on budget.

Skills

Python | SQL | R | Bash | Java | PowerShell | JavaScript | Spark | Snowflake | Google Cloud | Oracle | Docker | Jenkins | Git | GitHub | PyTorch | ML | RL | AI

Work Experience

Self - Employed

Providence, Rhode Island

FREELANCE DATA CONSULTANT

October, 2024 - Present.

- Independent data consultant.

CVS Health

Woonsocket, Rhode Island

DATA ENGINEER

May, 2023 - October, 2024

- Lead developer for a SQL transpilation framework (written in Python) used to migrate approx. 4,000 tables from MySQL to Snowflake and BigQuery in around eight weeks.
- Lead developer for a CI/CD modernization project. Successfully led efforts to retire legacy CI/CD built around Subversion and QuickBuild and replace it with CI/CD using Git, GitHub, Jenkins, Flyway and Octopus Deploy.
- Lead developer for a new production support ticketing platform. I leveraged low / no code tools to create a single integrated platform leveraging automation for tracking and assigning production support issues. Led to a significant reduction in manual effort around production support and improved turnaround times for production support incidents.

CVS Health.

Woonsocket, Rhode Island

SENIOR APPLICATION ANALYST

June, 2022 - April, 2023

- Completed POC work to help lay the foundation for a large scale migration to Google Cloud.
- Lead developer for a Python based data ingestion framework enhancement allowing for metadata driven data extraction job creation.
- Snowflake development Lead.

CVS Health

Woonsocket, Rhode Island

APPLICATION ANALYST

June, 2021 - June, 2022

- Snowflake development lead.

Georgia Institute of Technology

Atlanta, Georgia (Remote)

INSTRUCTIONAL ASSOCIATE

Aug. 2021 - Dec. 2022

- Contributed to autograder development.
- Contributed to set up of CI/CD for course autograders.
- Revamped the Google Cloud portion of the Cloud Computing homework module.

Providence Public Schools

Providence, Rhode Island

DATA SPECIALIST

Aug. 2020 - June, 2021

- Rewrote legacy scripts from R to Python, improving the maintainability and performance of the existing automation framework.
- Built out the district's data warehouse.
- Used Python to automate business processes.

Georgia Institute of Technology

Atlanta, Georgia

GRADUATE TEACHING ASSISTANT

Dec. 2017 - May, 2020

- Held regular office hours.
- Assessed and graded student work.
- Monitored online discussion forums.

Education

The University of Rhode Island

RELEVANT COURSEWORK

- Methods of Mathematical Physics II

M.S. in Quantum Computing (In Progress)

Kingstown, Rhode Island

The University of Texas at Austin

RELEVANT COURSEWORK

- Natural Language Processing, Deep Learning, Advanced Predictive Modeling, Regression Methods, Data Science for Health Discovery and Innovation, Data Structures and Algorithms

M.S. in Data Science

Austin, Texas

Georgia Institute of Technology

RELEVANT COURSEWORK

- Artificial Intelligence, Machine Learning, Reinforcement Learning, Bayesian Statistics, Advanced Algorithms, Software Development Processes, Data and Visual Analytics

M.S. in Computer Science

Atlanta, Georgia

Rhode Island College

RELEVANT COURSEWORK

- Linear Algebra, Difference & Differential Equations, Real & Complex Analysis, Abstract Algebra, Topology

M.A. in Mathematics

Providence, Rhode Island

Rhode Island College

RELEVANT COURSEWORK

- Probability & Mathematical Statistics

B.A. in Philosophy & Mathematics (physics minor)

Providence, Rhode Island

Certifications _____

Google

May. 2024

- Cloud Digital Leader