

Patrick Dugovich | Data Scientist

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Education

Data Science Track, Lambda School, 2019

Program Description: Lambda School is a 9+ month full-time Computer Science & Software Engineering Academy that provides an immersive hands-on curriculum with a track focused on Data Science.

- Developed a solid foundation of descriptive and predictive statistics, including: linear algebra, linear regression, hypothesis testing, and storytelling with data
- Gained hands-on experience engaging with machine learning; able to understand unsupervised learning, natural language and neural networks.
- Completed a deep dive into Data Engineering, worked with databases, productization and big data.
- Served as a data scientist on a team working with a stakeholder to gather insights from 175+ gigabyte dataset and present our results.

Data Science Projects

C4ADS Project, Lambda School, [Project Link](#), 2020

- Worked with a team of Data Scientists to analyze 175+ gigabytes of data and formulate a strategy for predictive modeling with only positively-labeled data.
- Constructed and aggregated resources for future build-on teams to easily pick up where we left off.

Airbnb Price Optimizer, Lambda School, [Project Link](#), 2019

- Modeled XGBoost prediction algorithms for optimal Airbnb price based on user input including performing TF-IDF NLP on text descriptions.
- Created a Flask API to connect prediction algorithms with the web development team.

Traffic Stop Predictor, Lambda School, [Project Link](#), 2019

- Analyzed traffic stop data from the Stanford Open Policing Project, cleaning and feature-engineering the dataset.
- Built a model to find the most significant predictors of the traffic stop, and predict the outcomes of future traffic stops based on those factors.

Work Experience

Toll Booth Operator, Ohio Turnpike and Infrastructure Commission, 2018-

Installation Specialist, Enhancing Life Home Medical, 2016-2018

Emergency Medical Technician, Donald Martens & Sons, 2014-2016

Technical Skills

Programming Expertise: Python (NumPy, Pandas, Scikit-learn) and SQL

Frameworks: PySpark, Flask

Skills: Data analysis, Linear and multivariate regressions, Predictive analytics, K-cluster analysis, Machine learning products, Natural language processing, AWS (EMR and SageMaker)