Geoff Perrin

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WORK EXPERIENCE

Nelo • 07/2024 - Present
Senior Data Scientist
- Building production fintech underwriting / fraud ML models - features derived from LLMs, demographic data, production app data, 3rd party sources
- Extensive A/B testing and causal inference to develop and improve product features, as well as optimize repayment rates
- Working extensively in both English and Spanish

Urbint • 05/2021 - 07/2024
Senior Data Scientist
- An analytics / data science / data engineering Swiss army knife at a fast paced startup
- Meeting with clients in the 'field' to both provide insights internally and back to the clients, as well as continuing to build ML models and perform R&D for model improvements
- Developing ETL pipelines to ensure up-to-date, high quality data that makes both the model builds and analysis quick to produce and implement, reducing the end to end time up to 90%

Machine Learning Engineer
- Writing production code / building ML models with a focus on energy utilities and their gas assets - extremely collaborative (agile) process, saving lives and utility companies millions of dollars due to significant reduction in number of incidents / gas explosions

Ford Motor Company • 04/2018 - 03/2020
Data Scientist
- AV / Smart Cities research - Provided data science expertise to support Ford Smart Mobility products and programs, such as an accessibility tool to support AV initiatives, as well as year long engagements with depts. of transport in Mexico City, Miami, Pittsburgh, and Detroit.

City of Detroit • 08/2017 - Present
Data Scientist
- Built an occupancy predictor ML model for the City of Detroit which, among many other things, allowed the city to focus efforts on helping Detroit's buy back foreclosed homes, valued at over $8.5M in public benefits

NYU Center for Urban Science & Progress • 11/2016 - 07/2017
Graduate Research Assistant
- Improved the granularity of predicting household waste generation for the Department of Sanitation New York (DSNY) by building a neural network model with an R-squared nearing 0.87.
- Improved NYPD's ability to predict the propensity for a neighborhood to report a shooting incident by building a random forest classification model.

EDUCATION

Master's Degree in Urban Informatics
NYU Center for Urban Science + Progress

BS in Economics, Financial Mathematics, German
University of Michigan