

Mark McGown

Lead Data Scientist

Personal Info

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10021 N Polk Ave Portland, OR 97203

Skills

Deep Learning	★★★★★★
Python	★★★★★★
SQL	★★★★★★
Data Visualization	★★★★★★
ETL	★★★★★
NLP	★★★★★
C#	★★★★★
Elasticsearch/Spark	★★★★★
R	★★★★★
AWS	★★★★★

Elasticsearch Certified Data Scientist with 9 years industry experience & Masters in Data Science. Achievements include factory recognition awards for integrating models of consumer behavior into defect analysis. Seeking remote team of talented, motivated experts in the field.

Work History

2016-03 - present	Lead Data Scientist <i>Intel Corp., Portland, OR</i> <ul style="list-style-type: none">Engineered ETL pipeline via Elasticsearch (ELK) using Scala, establishing statistical framework, and connecting Python/R.Built defect analysis application in C#, monitored user behavior with ML libraries in Python, and conducted usage summaries in Power BI.Automated complex data set pulls with SQL for application. Built C# monitoring for end-to-end predictive modeling of server performance.Lead team of Software Engineers to manipulate, visualize, & interpret sources to align & deliver on application success/tracking metrics.
2011-08 - 2016-03	Data Scientist <i>Intel Corp., Phoenix, AZ</i> <ul style="list-style-type: none">Conducted data regression analysis of relationship between time-sensitive process steps and yield. Identified new controls to prevent wafer degradation.Built ML predictive models to estimate customer behavior leading to custom UI experience tailored to past behaviors, clustering of similar users, and automatic report roll-ups.Predictive modeled recommendation systems in AWS for automation systems. Throttled/released production accordingly on future insights.

Projects

2017-09 - present	Deep Learning for Human Activity Recognition <i>Lead Data Engineer</i> <p>Achieve state-of-the-art detection of end-user physical activity through ML analysis of raw accelerometer data.</p>
2019-06 - 2020-06	The Networks of Co-Occurring Proper Nouns in Anne Frank's Diary <i>Graduate Research</i> <p>Exploration of sentiment between sententially co-occurring nouns using graph theory in Python's NetworkX:</p> <p>https://medium.com/@mosabou/the-networks-of-co-occurring-proper-nouns-in-anne-franks-diary-f2ef42779d41</p>

Education

2017-08 - 2020-06	Northwestern University, Chicago, IL <i>Masters of Science, Data Science</i>
2007-06 - 2011-06	Ohio State University, Columbus, OH <i>Bachelor of Science, Chemical Engineering</i>