Sharon Teo

Data Scientist

Irvine, California

Summary

Data Scientist and Industrial Engineer with an unquenchable thirst for learning, and the skills to harvest meaningful information plucked from large haystacks of structured, semi-structured and unstructured data. Skilled in statistics, data mining, predictive analysis and visualization.

Skills Summary

Domain expertise in Logistics and mapping/geospatial analysis
* Forecasting * Statistics * Python, R, SAS * MySQL, NoSQL * Predictive Modelling * Project Management * Esri ArcGIS* AWS *Machine Learning *Deep Learning (CNN, Keras, Tensorflow) *Processing * Time Series

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Experience

Wells Fargo

Analytic Consultant - Corporate Risk and Compliance

February 2019 - Present (1 year 2 months)

Irvine, CA

I use Natural Language Processing (NLP) to leverage customer feedback to manage compliance and operational risk and drive business decisions.

FedEx Express

11 years 6 months

Project Engineer

June 2011 - February 2019 (7 years 9 months)

Los Angeles, CA

* Developed volume forecast, staffing models, vehicle/equipment and operating plans to ensure optimized AM/PM sort and on road performance during normal and peak/holiday planning periods

* Planned, organized and managed large capital projects such as the opening of a 6000 PPH sort facility with capacity of 110 online vans

* Performed data analytics using SQL queries in Teradata/EDW for planning, scheduling, and status reporting.

* Used ESRI/ArcGIS to design the mapping route structure of over 150 Couriers delivering in the Los Angeles area, resulting in optimized travel distances.

* Created Python script for batch geocoding of addresses using Google Maps API to extract travel times and distances. Results were used to model pickup and delivery operations

* Used Seaborn and Matplotlib libraries to produce informative plots for data exploration and visualization

Senior Industrial Engineer
September 2007 - September 2011 (4 years 1 month)

*Led the implementation and development of operating plans at multilple station locations to maximize efficiency, productivity while reducing costs

*Collected and organized data from various databases, performed times studies, and ran computer simulations to analyze information to develop practical solutions and provide recommendations to upper management

Intel
Industrial Engineer
July 2005 - July 2007 (2 years 1 month)

* Planned fab layout, equipment layout and workstation design to enable 5K-8k wafers/day factory production ramp up

* Built capacity models to predict equipment quantities and timings to meet technology ramp. Influenced Module Teams on capacity/labor decisions

* Determined the most efficient sequence of operations and workflow while ensuring compliance with EHS, microcontamination and external standards

* Partnered with manufacturing to drive improvement activities and eliminate waste. Activities included Lean implementation/training, Kaizen events, resolution of WIP bottlenecks, cycle time improvement.

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Education

Southern Methodist University
Master of Science (MS), Data Science · (2016 - 2017)

Iowa State University
BS, Industrial Engineering