

ANG SHAO WEI

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EDUCATION

National University of Singapore

B. Eng Chemical Engineering *GPA: 4.07*

Aug 2014 - May 2019

National University of Singapore

BBA *GPA: 4.04*

Aug 2014 - May 2019

CAREER EXPERIENCE

StarHub

Data Scientist

Mar 2020 - Present

- Big data mining for cross-sectional industry competitor analyses using PySpark
- Recommendation engine using ALS via PySpark for TV subscription packages
- Predictive modeling for profiling of high value customers using tree-based models
- Built grid-based geomobility engine encompassing mapping of footfall to POI, journey embedding and routing behaviours using graph analytics
- Created dashboards in Tableau for sale to clients
- Automation of data pipelines and table creation through the use of Airflow

ShipsFocus

Data Analyst

Jun 2019 - Mar 2020

- In charge of Research Collaboration Agreement with A*STAR on tanker optimisation
- Intelligence lead for project with Chevron on reduction of shipping demurrage through operation forecasting
- Processed geospatiotemporal data for use in live port visibility software
- Created dashboards using PowerBI for client consumption
- Implemented DB-SCAN with temporal component in R for dwell-time clustering

SKILLS

Programming Languages:	Python, PySpark, R, SQL
Big Data Architecture:	Hadoop, Impala, Spark
MLOps:	Airflow
Graph Analytics:	Neo4J, GraphSage, NetworkX
AI/ML:	TensorFlow, PyTorch, HuggingFace, SKLearn, SparkML
Familiar with:	Git, Agile

CERTIFICATES

Neural Networks and Deep Learning

Coursera

Product Management: Transforming Opportunities

Stanford Center for Professional Development

Structuring Machine Learning Projects

Coursera

ACHIEVEMENTS

Shopee Code League 2021

Top 30 out of over 15000 participants in DA/DS competition

Kendo National Representative

Represented Singapore in international and regional competitions for Kendo (Japanese fencing)