STAN NEO

Data Scientist

📞 (+65) 8606 8770
@ nhanwei@gmail.com
🌐 Singapore
in linkedin.com/in/nhanwei/
github.com/nhanwei
www nhanwei.github.io

SUMMARY

Data Scientist with 5-6 years of experience in building Machine Learning models to solve hard problems using big data. In Singapore's largest bank, I built their first Deep Learning based Recommender System for product advertisements. I envision to be a **full-stack data scientist** with a professional passion in **designing**, **building** and **productionizing** ML models using **cloud technologies** to address business pain points and create business values. **AWS certified**.

PROFESSIONAL EXPERIENCE

SENIOR DATA SCIENTIST   Mar 2019—Present
Metis
- Led the Metis Data Science Bootcamp in Singapore as the Main Bootcamp Instructor and Senior Data Scientist.
- Coached students and led regular stand-ups to ensure delivery of quality projects in a timely manner

DATA SCIENTIST   Jul 2018—Mar 2019
PALO IT
- **Deployed** an asynchronous **R model** on **MS Azure** using plumber, future, **docker** for a Reinsurance company in Australia.
- Built POCs on **Object Detection**, **Natural Language Processing** and **Sentiment Analysis**.

DATA SCIENTIST   Oct 2016—Jul 2018
DBS Bank
- Responsible for building Machine Learning models for DBS Bank's regional markets: Singapore, Hong Kong and China.
- Developed a **Deep Learning based Recommender System** for product advertisements on internet and mobile banking in Singapore using **Keras**, **TensorFlow** and **Python**.
- Developed the User-Based Collaborative Filtering Recommender System in China using R.
- Built models that attained at least 4X uplift for **multiple cross-sell**, **up-sell** and **acquisition** projects across numerous products using **R** and **Python**.
- Created a Machine Learning pipeline in R using H2O and R Shiny. Used by other co-workers.
- Mentored fresh hires in building Machine Learning models.

DATA ANALYST   June 2015—Sep 2016
StarHub
- Mined terabytes of raw, unstructured and structured telecommunication data using **Apache Spark**, **Pig**, **R** and **Python**.
- Developed geo-location algorithms to uncover subscribers' travelling and web-surfing behaviors.

KEY SKILLS

Python
Keras
Pytorch, TensorFlow
Machine Learning
Deep Learning
PySpark
R
PostgreSQL, MongoDB
Hive, Hadoop, Mapreduce
AWS (EC2, S3, RDS, Lambda)
MS Azure
Docker
Apache Pig
Git
SAS
Tableau

EDUCATION

National University of Singapore
Master of Computing, Computer Science, 2019

National University of Singapore
Bachelor of Science (Hons), Statistics, 2015
- Second Upper
- Won 1st Prize in a R programming competition open to all Singapore universities undergraduates.
- Co-wrote a R package on Hamiltonian Monte Carlo method for Final Year Project (See elhmc).

Other Activities

Cloud Certifications
• AWS Certified Cloud Practitioner (Feb 2020)

MOOCs   2014—Present
• Completed 34 MOOC courses (as of Aug 2019) that are related to Data Science.
• Completed 3 Coursera specialisations (Data Science, Deep Learning and TensorFlow in Practice).

Kaggle
• Top 8% for Walmart Recruitment Competition (78th/1047)

Agile Fundamentals
• ICAgile Certified Professional

MISCELLANEOUS INFORMATION

Languages
• Native Proficiency in English and Mandarin (Oral and Written)