STAN NEO
Senior 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 7+ years of experience in using data to derive key insights and create business values. An analytics self-starter, I have initiated and executed numerous data science projects from ideation to delivery. In the past 3 years, I have also led and coached multiple junior data scientists to create data science solutions in an agile manner. In my next role, I aspire to become a better people leader who excels in both hands-on data science and project management. AWS certified.

PROFESSIONAL EXPERIENCE

SENIOR DATA SCIENTIST   Nov 2020—Present
Digital Bank in stealth mode - Singapore
25th employee of the new digital bank and answers directly to senior leadership
- Envision and execute bank-wide modelling and analytics roadmap
- Collaborate with product leaders to identify high impact opportunities
- Partner closely with engineering team to ensure best-in-class data science and MLOps practices using the AWS cloud
- Build segmentation models on partner data to support go-to-market strategies
- Lead **agile** ceremonies for team of analysts

FOUNDER   Jun 2021—Present
Backdoorcode - Singapore
Subscription service for data science interviews that started from a pet project
- Built from scratch. Deployed backend services on a Raspberry Pi using a combination of Python, Gunicorn, Systemd, Cron, Stripe API Gateway, Webhooks, Lambda and S3

SENIOR DATA SCIENTIST   Mar 2019—Mar 2021
Metis – Singapore, San Francisco
- Led the Metis Data Science Bootcamp in Singapore as the Main Bootcamp Instructor and Senior Data Scientist.
- Coached junior data scientist and led daily stand-ups to ensure delivery of quality projects in an agile manner

DATA SCIENTIST   Jul 2018—Mar 2019
PALO IT – Singapore, Sydney
- **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 – Singapore, Shanghai
- Responsible for building Machine Learning models for DBS Bank's regional markets: Singapore, Hong Kong and China.

KEY SKILLS

Python, PySpark, Keras, R
Pytorch, TensorFlow
Machine Learning, Deep Learning
PostgreSQL, MongoDB
Hive, Hadoop, Mapreduce
AWS (EC2, S3, RDS, Lambda)
MS Azure
Docker and Kubernetes
Airflow, MLflow, W&B
Slack, Jira, Confluence
Bitbucket, Github
Tableau, Domo, Quicksight

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 an R programming competition open to all Singapore universities undergraduates.
- Co-wrote an R package on the Hamiltonian Monte Carlo method for Final Year Project (See elhmc).

- Built a **product recommendation system** using the Wide-and-Deep model 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.

The Hong Kong University of Science and Technology
Summer Student Exchange Program 2014

Other Activities

Cloud Certifications
• AWS Certified Cloud Practitioner (Feb 2020)

MOOCs   2014—Present
• Completed 39 MOOC courses (as of Jan 2022) that are related to Data Science.
• Completed 5 DeepLearning.AI specialisations (MLOps, DL, NLP, GANs and TensorFlow Developer).
• Completed Google Analytics for Beginners and Advanced Google Analytics by Google

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

Agile Fundamentals
• ICAgile Certified Professional (Jan 2019)

MISCELLANEOUS INFORMATION

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