



ANDREW MA

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Stanford University

B.S., Mathematical and
Computational Science, '13-'17
GPA: 3.77 | GRE 166/167/5.5 | SAT
2320



Peking University

M.S. Yenching Academy GPA: 3.74

Courses: Data Mining and
Recommender Systems, Natural
Language Processing, Computer Vision,
Graph Machine Learning, Optimization,
Advanced Computational Theory,
Statistical Inference, Stochastic
Modeling, ANOVA, Data Structures,
Computer Systems, Analysis of
Algorithms

Skills

Languages and Frameworks:

Python, Spark, PyTorch, Tensorflow

Tools:

Docker/K8S, SQL

Data Mining:

NLP (Text Embedding, Seq2Seq,
Transformer, BERT), Statistical ML,
RecSys, Optimization, Bandits, LSH
Exposure: C/C++, R

Awards

- USAMO Qualifier (250 annually
nationwide, **Four-Time**)
- Hawaii State Mathematics Individual
Champion (First-ranked among all
students in the state, honored by state
governor, **Five-Time**)
- Yenching Academy Fellowship -
Selective Full Scholarship at Peking
University

WORK EXPERIENCE



Data Scientist

Grab | Singapore, 2019

*Grab is SE Asia's first decacorn with business
spanning ride-hailing, food-delivery, and financial
services across eight countries*

- Wrote **PySpark** ETL pipeline of promo targeting platform for ~3M users in Indonesia, using S3, Hive, and Airflow, enabling **30x speedup and 10x scale** (100K to 1M users) through optimizations
- Trained **DNN** and **Tree-based** Machine Learning Models for GMV and Take-Up-Rate prediction (**Spark.ml**, **Tensorflow**, **XGBoost/LightGBM**)



Recommender Systems Intern

Alinnovation | Beijing, 2018 (4 mo)

*Alinnovation is an AI-Enterprise Company owned
by Kai-Fu Lee and Sinovation Ventures*

- Built recommender systems for an online retail client and a vending machine company using **Random Forest/XGBoost in Python**, based on **Collaborative Filtering (FFM)** and **tag-based machine learning** recommendation methods

Data Science Intern

Bizvane | Shanghai, 2017 (4 mo)

- Ran pipelines to test our company's migration to Elasticsearch

Software Engineer Intern

Gelber Securities | San Diego, 2016 (4 mo)

- Wrote C# apps to compute collateral and attribute trade profit. Both apps made it into trading software

PROJECTS

Projects are interactive and hosted on my site
zhengyuanma.us

Co-Authoring With GPT-2

zhengyuanma.us/?#coauthoring_gpt2

Neural Image Style Transfer

[/?#style_transfer](https://zhengyuanma.us/?#style_transfer)

Neural Machine Translation

[/?#nmt](https://zhengyuanma.us/?#nmt)

Machine Learning Movie Profit Prediction

[/?#movie_profit_prediction](https://zhengyuanma.us/?#movie_profit_prediction)