

SHIXIANG WANG

E-mail : Shi-xiangWANG@outlook.com · Phone : +86-181-3797-2556 · Web: <https://isdanielwang.github.io/>

EDUCATION

CityU, Hong Kong **MSc in Computer Science** **GPA: 3.75 / 4.30** **2021.08 – Now**

With distinction(expected)

Course: Machine Learning A&B, Nature Language Processing, Data Mining and Data Warehousing, Artificial Intelligence

POSTECH, Korea **Department of Mathematics** **Exchange Student** **2019.08 – 2019.12**

Course: Data Science, Actuarial Mathematics, English Writing

HIT, China **BSc in Information and Computing** **GPA: 86.4 / 100** **2016.09 – 2020.06**

Rank 1.0% in National College Entrance Examination

Course: Probability and Statistics(96), Numerical Methods of PDE(96), Numerical Analysis(92), Operations Research(100), Information Science(96), Preliminary Functional Analysis(98), Complex Variable(97), Topology(93), C Language(90)

IELTS: Overall 7.0 (listening 7.0, reading 8.0, writing 7.0, speaking 6.5)

RESEARCH EXPERIENCE

An Improved Gradient-based Meta-Learning Algorithm for Large Scale Drug Discovery **2022.01-2022.08**

Postgraduate researcher supervised by Dr.Ying WEI

- Proposed a Metadrag algorithm and tested it on a new drug discovery benchmark.
- Designed MetaPES training strategy to alleviate the overfitting in meta learning without increasing training time.
- Used statistic information from the training data to further improve the algorithm's performance.

Question Generation: Finetuned on Pretrained with QA-pair Evaluation **2022.02-2022.04**

Postgraduate researcher supervised by Dr.Linqi SONG

- Research on answer guided question generation using pretrained models including BART, GPT 2, and T5.
- Designed an algorithm that finetuned a BERT with NSP-head on the SQUAD dataset.
- The result showed noticeable improvement on evaluation metrics including BLEU, ROUGE, and METEOR.

PROJECT EXPERIENCE

Tweet Sentiment Analysis **2021.09**

Course Kaggle Competition, supervised by prof.Antoni Bert CHAN

- Predicted the sentiment of Tweets about four technology companies.
- Analyzed tweet features, removed special symbols, common words, and lemmatization. Used bow and tf-idf to extract dictionaries from the cleaned data and vectorize the training text.
- Tested various statistical machine learning algorithms like naive bayes, svm, adaboost, random forest.

INTERNSHIP/WORK

Cambricon, Beijing **Algorithm Research Internship** **2022.05 – 2022.07**

Top AI chip company in China

- Research in monocular 3d object detection supervised by Dr.Xishan ZHANG.
- Learned monocular 3d object detection algorithm and reproduced the non-open source code.
- Designed experiments to boost algorithms' performance.

JD.com, Beijing **Software Development Engineer** **2020.09 – 2021.07**

Top 50 in Fortune Global 500

- Responsible for order receiving system requirements agile development of JD Logistics.
- Over 20,000 lines of code during work.
- Excellent employee of the team in 2020.

SCHOLARSHIP/AWARDS

Renmin scholarship(Top 10%) ×5, Outstanding student(Top 10%), First prize in college physics competition(Top 9%)