

## San Zhang

123 address St, UK, Postcode [Email@Uoffer.com](mailto:Email@Uoffer.com)

### EDUCATION

#### Imperial College London

2021 – Present

MSc Advanced Computer Science (Expecting Merit Finish, Imperial AI Research Grant)

- Modules: Advanced Machine Learning, Deep Learning, Big Data Systems.
- Thesis: *Automating Image Annotation Using Deep Learning and Knowledge Graphs*.

#### Peking University (PKU)

2017 –2021

BSc Computer Science and Technology (GPA: 4.3/5.0, 1st Class University Scholarship, Outstanding Graduate)

- Modules: Algorithm Analysis, Database Systems, Object Oriented Programming.
- Thesis: *A Bayesian Approach for Social Media Sentiment Analysis*.

### RESEARCH EXPERIENCE

#### Imperial College London

2022 – Present

Mentor-led Student Research Project

- Built deep learning models in TensorFlow and Keras for automating image annotation.
- Prepared data using feature engineering, dimensionality reduction for deep learning analysis.
- Optimised sorting algorithms for large datasets using deep reinforcement learning.
- Constructed knowledge graphs using NLP and TensorFlow for information retrieval.

#### Imperial College London

Jan –2022

Tutored Workshop Series

- Created knowledge graphs in Tensorflow and Spark from text data.
- Established neural network-based NLP models to achieve up to 96% accuracy.
- Analysed large scale social media and e-commerce datasets

#### Peking University

2020 –2021

Departmental Level Student Grant Project

- Researched and optimised recommendation systems focusing on collaborative filtering.
- Implemented sentiment classifiers using Naive Bayes and SVM achieving high accuracy.
- Mined Alibaba transaction data and compared product clustering mechanisms.

### PROFESSIONAL EXPERIENCE

#### Quantdesk LLC | London, UK

2022 – Present

Assistant Analyst

- Built and revised financial prediction models achieving >80% forecasting accuracy.
- Developed statistical arbitrage strategies generating >50% returns.
- Identified 10 undervalued stocks with >30% upside potential.

#### JD Health | Beijing, China

2020 –2021

Intern Data Scientist

- Built CNN-LSTM in TensorFlow to identify disease mentions from Chinese texts.
- Applied LSTM to extract/classify 10+ medical entities from 5000+ clinical texts, achieving 88% F1 score.
- Performed sentiment analysis on health social media data and boosted accuracy by 4%.

### PUBLICATIONS

- Zhang, S., Liu, J., & Wang, X. (2022). A Knowledge-aware Framework for Image Annotation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*.
- Chen, Z., Zhang, S., & Wang, Y. (2021). A Survey on Multimodal Sentiment Analysis. *ACM Computing Surveys*. Volume 2(15), <https://doi.org/10.XXXX/123123>

### EXTRACURRICULARS

- **2nd Prize**, Kaggle Image Classification Competition 2021
- **International Student Ambassador**, PKU Department of Computer Science 2020-2021
- **1st Prize**, PKU Data Science Hackathon Champion 2020
- **Student Volunteer**, China Young Volunteers Association 2019 – 2020
- **Deputy Director**, Outreach Department of the PKU Student Union 2018 – 2020
- **2nd Place**, Peking University's AI Knowledge Challenge 2019
- **2nd Runner Up**, IJCAI National College Students' Data Analysis Contest 2019

### SKILLS & LANGUAGES

**Coding:** Python, R, MATLAB, SQL

**Languages:** English (Proficient), Mandarin (Native), French (A2) and Korean (Novice)

**Frameworks:** Keras, TensorFlow, Power BI, Tableau, SAS.

**Fitness:** Competitive swimmer, attended the 2015 Beijing Youth Swimming Competition. Also, a free diver and cricket hobbyist.