

# YICHONG CHEN

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## EDUCATION BACKGROUND

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Imperial College London *April 2022 - present*  
Major: Computing  
Degree: Ph.D  
Research topic: System management in a dynamic Fog computing system with AI&ML

Imperial College London *Sep 2019 - Nov 2020*  
Major: Computing (Artificial Intelligence and Machine Learning)  
Awarded: Distinction  
Degree: Master of Science  
Main Courses: Mathematics for Machine Learning, Reinforcement Learning, Computer Vision, Deep Learning, Machine Learning for Imaging, Natural Language Process, Probabilistic Inference

University of Birmingham *Sep 2017 - June 2019*  
Major: Mathematics  
Awarded: First Class Honor  
Degree: Bachelor of Science  
Main Courses: Statistics, Applied Statistics, Medical Statistics, Statistical Method in Finance and Economies, Non-linear Programming & Heuristic Search, Real and Complex Analysis

South China University of Technology *Sep 2014 - June 2019*  
Major: Information Management and Information System  
Degree: Bachelor of Engineering  
Main Courses: Data Mining and Statistics Decision, Programming in C++, Object-oriented Programme Design, Probability, Operational Research, Foundation of Computer, Mathematical Statistics

## RESEARCH/PROFESSIONAL EXPERIENCE

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Huawei Technologies Co., Ltd *Nov 2020 - June 2022*  
Position: AI Engineer

I work as an AI engineer in Huawei. My duty is to analyse the manufactural data and design an AI system to predict the quality of the product and automatically generate a report which gives the potential cause of the test failure of the product. This system mainly use BERT to encoding the sentences and apply BiLSTM and CRF model to extract the key information of the description. By applying the knowledge graph to provide a reasonable report from the history data.

China Construction Bank *July 2019 - Sep 2019*  
Position: FinTech Internship

I worked in a team to analyze the financial demand of Jingzhuang a charging station company. We did research on the new energy vehicle market and its service and interviewed some of the staff in Jingzhuang to know the financial requirements of the company. We analyzed the shortcomings and demands of Jingzhuang and the charging station business with the information we got. Finally, we provided a proposal for the financial service given by China Construction Bank.

## PUBLICATION

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- Y. Chen and G. Casale, "Deep Learning Models for Automated Identification of Scheduling Policies," 2021 29th International Symposium on Modeling, Analysis, and Simulation of Computer and Telecommunication Systems (MASCOTS), 2021, pp. 1-8, doi: 10.1109/MASCOTS53633.2021.9614298.

## TECHNICAL STRENGTHS

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Computer Languages	Python, C++, C#, MATLAB, R
Software & Tools	LaTeX, Microsoft Office, SPSS, SAS
Language	English(IELTS 6.5), Mandarin(Native), Cantonese(Native)
Github	<a href="https://github.com/chanyikchong">https://github.com/chanyikchong</a>