FAN CUI

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EDUCATION

University College London　　　　　　　　　　　　　　　　　*09/2020 - 09/2021*
M.S. in Information Security

Zhejiang University　　　　　　　　　　　　　　　　　　　　*09/2016 - 07/2020*
B.S. in Computer Science
Overall GPA: 3.79/4
Third year GPA: 3.99/4 Rank 5/122
Mixed Class, Chu Kochen Honors College

RESEARCH INTEREST

Machine Learning
Data Privacy
Information Security

PROJECT AND RESEARCH EXPERIENCE

Department of Computer Science, Zhejiang University　　　　Hangzhou, China
Dissertation Project　　　　　　　　　　　　　　　　　　　*12/2019 - 06/2020*

· Design and implement an elevator fault forecasting model based on **machine learning** (Cooperated with Special Equipment Research Institute of Zhejiang Province).
· The model is used to identify high-risk elevators with potential malfunction from all elevators in Zhejiang Province.

Pervasive Computing Lab, Zhejiang University　　　　　　　Hangzhou, China
Research Assistant　　　　　　　　　　　　　　　　　　　　*07/2019 - 11/2019*

· Re-implement the Spatiotemporal Multi-Graph Convolution Network (**ST-MGCN**) for Ride-hailing Demand Forecasting.

Department of Computer Science, The University of Hong Kong　　Hong Kong, China
Research Assistant　　　　　　　　　　　　　　　　　　　　*07/2019 - 09/2019*

· Assist Prof. Giulio Chiribella with the research of **energy-preserving quantum channel**.
· Prove two main theorems regarding energy-preserving quantum channel.
· Complete several applied researches related to Grover's Algorithm.
· A paper in progress.

Advanced Computing and System Lab, Zhejiang University　　　Hangzhou, China
Research Assistant　　　　　　　　　　　　　　　　　　　　*09/2017 - 04/2018*

· Implement a regression prediction model for stock market (Shanghai and Shenzhen 300 Index) using **natural language processing** and **data mining**.

SELECTED AWARDS

[10/2019] First-class Scholarship for Academic Excellence of Zhejiang University (ranked 5th of 122)
[12/2018] Third prize of College Physics Competition in Zhejiang Province
[10/2018] Third-class Scholarship for Academic Excellence of Zhejiang University
[10/2018] Outstanding Students of Zhejiang University
[10/2017] Third-class Scholarship for Academic Excellence of Zhejiang University

TECHNICAL SKILLS

Languages	Mandarin(native), English(upper intermediate)
Programming Languages	C, C++, Python, C#, Java, SQL, Matlab
Certificate (Coursera)	Certificate of Machine Learning by Stanford University (In progress)

MISCELLANEOUS

St Antony's College, University of Oxford   Oxford, England
Exchange Student   *02/2019*

· Series of seminars about cutting-edge research areas such as smart city, robotics, etc.

Youth League, Zhejiang University   Hangzhou, China
Vice Minister   *09/2016 - 06/2018*

· Organize college activities, such as Freshmen cocktail party, Welcome to ZJU labs.