JIN ZHANG

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EDUCATION

The Chinese University of Hong Kong, Shenzhen   *2017-2021*
B.S. in Applied Math   Cumulative GPA: 3.81/4.0; Major GPA: 3.93/4.0
Courses: Data Structures, Programming Paradigm, Machine Learning, Statistical Modelling in Financial Markets, ODE, PDE, Real Analysis, Probability Theory, Stochastic Process, Calculus, Linear Algebra, Optimization

Swiss Federal Institute of Technology ETHz   *2021-present*
MSc in Quantitative Finance   Grade: 5.63/6.0
Courses: Software Engineering, Computational Methods for Quantitative Finance: PDE Methods, Quantitative Risk Management, Applied Time Series, Financial Engineering, Numerical Analysis for Stochastic ODE, Probabilistic Artificial Intelligence, Mathematical Foundation for Finance

PROFESSIONAL EXPERIENCE

Kuaishou Technology   June 2021 - August 2021
Search Engine Algorithm Engineer   *Beijing, CN*

· Designed rule-based algorithms retrieving high-quality samples to fix imbalance of training data set.
· Analysed and compared different models' performance by data visualization, calculating standard measures, and case analysis.

Surreal Technology   April 2021 - June 2021
Computer Vision Algorithm Engineer   *Shenzhen, CN*

· Trained face recognition deep learning model based on arcFace metric with a new data preprocessing method, achieving over 99% accuracy on LFW Face data set.

Ping' An Technology   August 2020 - December 2020
Automatic Speech Recognition Algorithm Engineer   *Shenzhen, CN*

· Wrote bash and Python scripts in Linux terminals to analyze the effectiveness of different algorithms to differentiate background noise from clean speech.
· Summarized and briefed cutting-edge research on speech enhancement for weekly research team meetings.

Shenzhen Institute of Artificial Intelligence and Robotics for Society May 2020 - October 2020
Research Assistant   *Shenzhen, CN*

· Used Plotly and Dash to build data visualization dashboards for multiple projects.
· Collected data for simulations of pandemic transmission in different scenarios.
· Prepared research memorandum and literature reviews to support the work of the research team.

ACADEMIC EXPERIENCE

Cambridge University   July 2019 - August 2019
Participant in Pembroke-King's Summer Programme   *London, UK*

The Chinese University of Hong Kong, Shenzhen   February 2019 - May 2020
Undergraduate Student Teaching Fellow   *Shenzhen, CN*

TECHNICAL SKILLS

Programming Languages	Python, HTML, CSS, JavaScript, C++, MATLAB, R, SQL
Framework	Django, Bootstrap, NodeJS, JQuery
Other	Git, Docker, LaTex