



## Jin ZHANG

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👤 <https://jzfrank.github.io/>  
Born 23 September 1999, Chinese

### WORK EXPERIENCE

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2021/06 – 2021/08

#### Search Engine Algorithm Engineer

Kuaishou Technology, Beijing, CN

- Designed rule-based algorithms retrieving high-quality samples.
- Analysed and compared different models' performance by data visualization, calculating standard measures, and case analysis.
- Wrote scripts in SQL and Python.

2021/04 – 2021/06

#### Computer Vision Algorithm Engineer

Surreal Technology, 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.
- Experienced with GitHub, pytorch, tensorflow

2020/08 – 2020/12

#### Automatic Speech Recognition Algorithm Engineer

Ping' An Technology, Shenzhen, CN

- Wrote bash and Python scripts in Linux environment 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.
- Experienced with Linux, vim

### EDUCATION

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2021 – Present

#### Swiss Federal Institute of Technology (ETHz)

- Department of Mathematics in ETHz
- Master's degree in Quantitative Finance, a joint programme by ETHz and UZH.
- Grade: 5.6 out of 6.0

2017 – 2021

#### The Chinese University of Hong Kong, Shenzhen

- Bachelor's degree in Applied Mathematics
- Focused in machine learning, programming, data structures and algorithms
- Final grade: 3.8 out of 4.0

### SKILLS

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**Programming** Python, JavaScript, HTML, CSS, SQL, MongoDB, C++

**Framework** React, Bootstrap

### SIDE PROJECTS

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**Blackjack** A very basic implementation of Blackjack, where the player could only choose to hit and stand. It is written using HTML, CSS, JavaScript, Bootstrap. It gets hosted by Amazon cloud service. You could play it for free by [clicking here](#).

**Gimme a Joke** A simple pun/programming joke generator. It is written using HTML, CSS, JavaScript, Bootstrap. It gets hosted by GitHub Page. Get a refresher by [clicking here](#).

**Simon Game** An implementation of Simon Game, which tests the remembrance of the player. It is written using HTML, CSS, JavaScript. It gets hosted by GitHub Page. You could try it out by [clicking here](#).

## ACADEMIC EXPERIENCE

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2019/07 – 2019/08

### Cambridge University

Participated in Pembroke-King's Summer Programme, London, UK

2019/02 – 2020/05

### Undergraduate Student Teaching Fellow

Chinese University of Hong Kong, Shenzhen, CN

Taught undergraduates linear algebra, ordinary differential equations

2020/05 – 2020/08

### Research Assistant

Shenzhen Institute of Artificial Intelligence and Robotics for Society, 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.

## EXTRACURRICULAR EXPERIENCE

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2019/01 – 2019/02

### Chinese Young Development Program

Engaged in various lectures taught by Columbia faculty and industry experts.

## ADDITIONAL INFORMATION

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**Interests** Badminton, Reading, Cooking

**Interpersonal** Public Speaking, Teaching, Collaborating

**Languages** English – Professional  
Chinese – Native