

# Hanyu Zheng

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## EDUCATION

### **Nankai University**

*Master of Economics; Financial Engineering*

Tianjin, China  
September, 2020 – June, 2023

### **Southwestern University of Finance and Economics**

*Bachelor of Economics; School of Finance*

GPA: 3.8/5.0

Chengdu, China  
September, 2016 – June, 2020

## RESEARCH INTEREST

Fintech, Financial Inclusion, Green Finance, Machine Learning in Economics

## RESEARCH EXPERIENCE

### **Prof. Yongzeng Lai, Wilfrid Laurier University**

*Research Assistant*

Waterloo, Canada  
July, 2020 – September, 2020

Research topic is using neural network to predict financial data series

- Collecting financial data like mutual fund and bitcoin
- Adjusting parameters to get better model performance.
- Debugging the python code and organize plots

## WORK EXPERIENCE

### **Shenwan Hongyuan Security Ltd.**

*Internship, Financial Innovation Division*

Shanghai, China  
April, 2020 – July, 2020

- Pricing OTC options including snowball and barrier using Monte Carlo method
- Settling OTC options every trade day
- Valuating OTC options and sending reports to clients with python automatically

## PROJECT WORK

### **Sentiment Analysis of 996 Working System Python Data Analysis**

March, 2019 – June, 2019

- Crawling comments of Jack Ma's weibo about 996
- Cleaning data
- Doing sentiment analysis with the information to see the public's attitude

## AWARDS AND GRANTS

- Mathematical Contest In Modeling,  
Meritorious Winner (10%) February, 2018
- Contemporary Undergraduate Mathematical Contest in Modeling,  
Second Prize in Sichuan Province September, 2018
- National English Competition for College Students,  
National Third Prize May, 2019
- Excellent Student of Southwestern University of Finance and Economics September, 2018

## OTHER SKILLS

**Programming:** Python, R, L<sup>A</sup>T<sub>E</sub>X

**Exam Scores:** IELTS (6.5), GRE (325+4.0)

**Languages:** Chinese, English