Peilin Yang May 2022

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Current Position

2021-Presented Predoctoral Research Fellow, Stanford University, *Graduate School of Business*
work for Finance group, Chenzi Xu

Education

2017-2021 B.A. in Economics, Nankai University, *School of Finance*
with *Highest Honor of College*
with *Highest Honor in Thesis*
Thesis*: **Rare Disaster Element in HANK***

Publications

"Numerical solution and parameter estimation for uncertain SIR model with application to COVID-19 pandemic." with Xiaowei Chen, Jing Li, Chen Xiao**.** 2020**.** *Fuzzy Optimization and Decision Making.*

Research Experience

Sep. 2021 – Presented Stanford University, *Graduate School of Business*, Research Fellow

Mar. 2020 – Jun. 2021 Harvard University**,** *Department of Economics*, Research Assistant to David Yang,
Data-intensive Innovation and the State: Evidence from AI Firms in China, *Martin Beraja, David Y. Yang, Noam Yuchtman* (2020)
Bureaucracy and Innovation, *Daron Acemoglu, David Y. Yang* (2020)

Sep. 2020 - Nov. 2020 UIUC *Department of Mathematics* Research Assistant to Runhuan Feng,
Reinforcement Learning and High-Dimension Dynamics Programming

Professional Experience

Jul. 2020 – Aug. 2020. Morgan Stanley, Sales &. Trading Division, Hong Kong
Quantitative Trader Internship

Jul. 2019 - Oct. 2019. Asian Development Bank, Singapore, Metro Manila, Philippines
ADB TA PRC# 3148: China Pension Reform Project

Oct. 2018 - Sep. 2019. WorldQuant, Beijing
Independent Quant Trader

Fellowships, Awards, and Honors

2019 American College Students Mathematical modeling competition, *First Award*
2018 *Chinese Mathematical Modeling Competition Award, Finalist, First Honor*
2018 *China Undergraduate Mathematical Contest in Modeling Award, Finalist, First Honor*
2018 *Chinese College Students Mathematics Competition Award (Analysis and Algebra), Finalist, First Honor*

Presentations and Seminars

2021 Operations Research Society of China, Tsinghua University

- Simple planning problem of industrial structure during pandemic.

2020 Operations Research Society of China, Tsinghua University,

- Numerical solution to higher dimensional differential equations.

2019 Operations Research Society of China, Tsinghua University,

- Uncertainty CRRA Model and Risk Aversion.

2019 Summer Seminars of Computation and Economics, Shanghai University of Finance and Economics.

Computer Skills and Language

Highly Proficient: Python (Data Processing, Plot, ArcGIS, Numerical Computation, Web Scraper), MATLAB, Stata, LaTex, *R (ArcGIS, GeoDa)*, *Julia, SQL, Fortran*

Familiar: ArcGIS, C++, GAUSS, *HTML, Linux*