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Homepage: <https://tteclinc.github.io/peilinyang/>

Github: <https://github.com/TTecLinc>

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*.

Working Paper

“Conformal Inference for Heterogeneous Policy Effect.” with Jiayi Cheng, 2022, proposal of introducing conformal inference into the toolkit of policy evaluation.

“Narratives Business Cycle: Neoclassical or Production Networks?” 2022.

“Open-Economy Macprudential Policy: International Financial Arbitrage Channel.” 2022.

“Industry Structure and Wage Inequality during Pandemic.” 2022.

“Maximize the Efficiency of Healthcare Matching: a Simple Modification.” 2022, a technical note on health care resources allocation system during pandemic.

Research Experience

Research Assistant to Julia Fonseca, Adrien Matray, Chenzi Xu (2021 – Presented)

Research Assistant to David Yang, (2020 - 2021)

UIUC Department of Mathematics, Research Assistant to Runhuan Feng, (2020)

Professional Experience

Morgan Stanley, Sales &. Trading Division, Hong Kong, *Quantitative Trader Internship*, (2020)

Asian Development Bank, Manila, Philippines, *ADB TA PRC# 3148: China Pension Reform Project*, (2019)

WorldQuant, Beijing, *Independent Quant Trader*, (2018 - 2019)

Fellowships, Awards, and Honors

2018 Chinese Mathematical Modeling Competition Award, *Finalist, First Honor*

2018 China Undergraduate Mathematical Contest in Modeling Award, *Finalist, First Honor*

2018 China National College Students Mathematics Competition Award (*Analysis and Algebra*), *Finalist, First Honor*

2019 American College Students Mathematical modeling competition, *First Award*

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