Peilin Yang

Email : yang.peilinc@gmail.com

Homepage: *https://tteclinc.github.io/peilinyang//*
Github: *https://github.com/TTecLinc*

EDUCATION

- **Nankai University**
  B.S. in Economics, School of Finance — *2017 - 2021*
  - with *Highest Honor of College*
  - with *Highest Honor in Thesis*
  - **Thesis**: <u>Rare Disaster Element in HANK</u>

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 Continuous Treatment Effect. 2022. *Introducing conformal inference into the toolkit of policy evaluation.*

- Narratives Business Cycle: Neoclassical or Production Networks? 2022.

- Open-Economy Macroprudential Policy: International Financial Arbitrage Channel. 2022.

- Maximize the Efficiency of Healthcare Matching: a Simple Modification. 2022. *Technical note on health care resources allocation system during pandemic.*

- Industry Structure and Wage Inequality during Pandemic. 2021.

RESEARCH EXPERIENCE

- Research Assistant to Chenzi Xu, Julia Fonseca, Adrien Matray — *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

- 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* — *2018*
- American College Students Mathematical modeling competition, *First Award* — *2019*

Presentations and Seminars

- Operations Research Society of China, Tsinghua University *2021*
  - Simple planning problem of industrial structure during pandemic.

- Operations Research Society of China, Tsinghua University *2020*
  - Numerical solution to higher dimensional differential equations.

- Operations Research Society of China, Tsinghua University *2019*
  - Uncertainty CRRA Model and Risk Aversion.

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

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