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

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

## 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 – Present    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**

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- 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**

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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*