Zhang Yifan (Jenny)

The University of Hong Kong

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Education

Ph.D. in Psychometrics   *2022-2026(expected)*
Faculty of Education, The University of Hong Kong
Thesis title:

M.S. in Data Science   *2020-2022*
Department of Statistics & Department of Computer Science, The University of Hong Kong
Capstone project: Statistical Inference for Tensor Data

B.S. in Information and Computation Science   *2016 - 2020*
Department of Mathematics, Northeastern University, China
Thesis title: Analysis of Breast Cancer Prediction Based on Neural Network

Publication

Peer-Reviewed Journal

- **Zhang, Y.** , & Chen, J. (2024). Accommodating and Extending Various Models for Special Effects Within the Generalized Partially Confirmatory Factor Analysis Framework. Applied Psychological Measurement, 48(4-5), 208-229.

Peer-Reviewed Conference Presentations

- **Yifan Zhang** & Jinsong Chen (2023, March). Accommodating and extending various models for special effects within the generalized partially confirmatory factor analysis framework. Coordinated paper presented at the National Council on Measurement in Education, Chicago, IL.

- **Yifan Zhang** & Jinsong Chen (2023, March). Improving recommender system with the partially confirmatory approach and psychological factors. Coordinated paper presented at the National Council on Measurement in Education, Chicago, IL.

Awards

Honorable Mention, COMAP(MCM)   *April 2019*

3rd Prize, China Undergraduate Mathematical Contest in Modeling   *November 2018*

3rd Prize, Mathematical Modeling Contest for College Students   *July 2018*

Successful Participant, COMAP(MCM)   *April 2018*

2nd Prize, China Undergraduate Mathematical Contest in Modeling   *November 2017*

1st Prize, Mathematical Modeling Contest for College Students   *July 2017*

Academic Scholarship, Northeastern University   *November 2017/2018/2019*

Research Project

Artificial intelligence training camp - machine learning   *2019*
Leadership   *Shenyang, China*

- Image Classification using deep learning.
- Used Python to construct convolutional neural network

Athletic Games Information Administration System
Leadership

                                                      2019
Shenyang, China

- Used My Eclipese to design the website and realized basic functions of the interface.
- Applied SQL to design database and matched the relavant functions of the website.

Teaching

Structural Equation Modeling I
Teaching Assistant

Spring Semester, 2024
HKU

Quantitative Research Methods II
Teaching Assistant

Spring Semester, 2024
HKU

Statistical and Psychometric Analysis with R
Teaching Assistant

Fall Semester, 2023
HKU

Factor Analysis
Teaching Assistant

Fall Semester, 2023
HKU

Introduction to factor analysis and structural equation modeling
Teaching Assistant

Spring Semester, 2023
HKU

Introduction to statistical methods
Teaching Assistant

Fall Semester, 2022
HKU

Methods of research and enquiry
Teaching Assistant

Spring Semester, 2022
HKU

Working

The University of Hong Kong
RPG student coordinator

January - June, 2024
Hong Kong, China

- Serve as student representatives to the Organizing Committee of the Research Postgraduate Conference
- Organize and support academic and social activities for MPhil/PhD/EdD students

The University of Hong Kong
Research Assistant I

June - August, 2022
Hong Kong, China

- Enhance research methodology and psychometrics with learning-based latent variable modeling
- Methodological developments to advance educational and psychological measurement with Bayesian learning

The University of Hong Kong
Research Assistant II

June - August, 2021
Hong Kong, China

- Prepare course materials for structural equation modeling
- Convert code and text materials using Rmarkdown

Biden Consulting Company
Campus Representative

March - November, 2019
Shenyang, China

- Took the duties of brand and product promotion within campus.
- Planned and organized lectures and public welfare activities.
- Administrated operate alumni association.
- Campus excellent professional manager, 4 out of 100.

Manulife Financial Centre   *February, 2019*
Asset Management Intern   *Hong Kong, China*

- Analyzed the Asian market and the development trend for asset planning products.
- Tracked the dynamic state of financial service industry and its market, collected and collated information from multiple sources, wrote complete business proposal to support evidence for decision-making.
- Packed the funds, by different years, conducted real situational simulation, and made portfolio analysis as reference for corporate assets department.
- Best Team Award of The 2019 Manulife GP programme.

Technical skills

Programming Languages/Tools	Python, R, C++, Matlab, Mplus, SPSS, HTML, LaTeX, RMarkdown

Language proficiencies

Mandarin	Native
English	Fluent