

# Shuhan Zhang

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## Education

**The Chinese University of Hong Kong, Shenzhen**, BS in Data Science Sept 2022 – May 2026

- GPA: 3.9/4.0
- Dean's List: 2022 - 2024
- Coursework: Mathematical analysis, stochastic processes, advanced probability theory

**University of Pennsylvania**, Visiting Student Jan 2025 – May 2025

- GPA: 3.9/4.0
- Coursework: Bayesian Data Analysis, Numerical Optimization for Data Science, Game Theory

## Experience

**Research Assistant**, Shenzhen Research Institute of Big Data, Guangdong Apr 2024 – Present

- Applied XGBoost and PC-MCI for financial fraud detection based on financial reports
- Contributed to research on graph transformer models for logistics forecasting

**Undergraduate Research Assistant**, CUHKSZ, Guangdong Mar 2024 – Present

- Integrated logic rule learning into discrete choice models for interpretable preference learning
- Developing deep learning models to investigate context and interaction effects in human decision-making

**Summer Research Intern**, UT Austin, Texas May 2025 – Present

- Conducting theoretical research on reinforcement learning, with a focus on understanding policy optimization under function approximation
- Developing provably efficient algorithms and validating them in continuous control benchmarks

## Publications

**Logic-Logit: A Logic-Based Approach to Choice Modeling** Jan 2025

*Shuhan Zhang*, Wendi Ren, Shuang Li

The Thirteenth International Conference on Learning Representations (ICLR Poster)

**Harnessing Complex Route Planning Data for Logistics Prediction: A Novel** Feb 2025

**Edge-Enhanced Attention Graph Neural Network**

Tianyi Qu, Shan Dai, Yifan Wu, *Shuhan Zhang*, Yifan Chen

Under Review

**Deep Context-Dependent Choice Model** June 2025

*Shuhan Zhang*, Zhi Wang, Rui Gao, Shuang Li

ICML 2025 Workshop on Models of Human Feedback for AI Alignment (Oral 10%)

## Awards

**Second Prize in the China Undergraduate Mathematical Contest in Modeling** Oct 2024

- Utilized the Runge-Kutta method to perform numerical simulations, effectively solving path planning and collision detection challenges

**AY 2022-2023 Academic Performance Scholarship** Dec 2023

- Received an academic excellence award for achieving a top GPA ranking among peers in the school of data science, recognizing outstanding performance in coursework and dedication to academic achievement