

# Tanran Zheng

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## EDUCATION

### University of Illinois, Urbana-Champaign

*M.Sc. in Financial Engineering*

GPA: 3.02/4.0

Related Coursework: Financial Computing (C++); Numerical Methods; Stochastic Calculus; Optimization in Finance

Practicum Internship at CME Group: Developed C++ based algorithmic trading model with Machine Learning Algorithms

**Champaign, IL**

*Aug 2014 – Dec 2015*

### University of Illinois, Urbana-Champaign

*B.Sc. in Electrical Engineering, Minor in Business Administration*

GPA: 3.5/4.0

Related Coursework: Intro to Computing System (Assembly & C language); Computer Engineering (Architecture)

Awards: Five times Deans List (Spring 2011 – Spring 2013)

**Champaign, IL**

*Aug 2010 – May 2014*

## CERTIFICATES & SKILLS

### Stanford University

*Graduate Certificate in Artificial Intelligence*

GPA: 4.1/4.0

Projects: Waste Detection Using Different Deep Learning Methods (CS229)

Coursework: Machine Learning; AI Principles and Techniques; Programming Abstraction (Data structure in C++);

Design and Analysis of Algorithms; Reinforcement Learning (Winter 2020); Probabilistic Graphical Models (Winter 2020)

**Stanford SCPD**

*Mar 2020 – Present*

### Harvard University

*Graduate Certificate in Data Science*

GPA: 4.0/4.0

Coursework: Intro to Artificial Intelligence with Python (TA in Spring 2021); Intro to Data Science;

Principles of Operating System (Spring 2021); Database Systems (Spring 2021)

**Harvard Extension School**

*Jan 2020 – Present*

## Programming Languages

C/C++(Intermediate), Python(Intermediate), MATLAB(Expert), R(Intermediate), VHDL(Intermediate), JAVA(Beginner)

## PROFESSIONAL EXPERIENCE

### Qianhai Alliance Asset Management Co., Ltd

*Senior Quantitative Investment Manager*

- Developed and managed quantitative investment models (Python) across multiple equity funds (AUM 450 Million USD)
- Conducted original research on quantitative methods and corresponding applications in asset management, including factor investing, machine learning, optimization, statistical modeling and risk management
- Investigated and implemented data analysis and data mining algorithms and models

**Shenzhen, China**

*Dec 2017 – Present*

### Wyre Inc.

*Financial Analyst*

- Performed ongoing data analysis for data-driven business decisions and risk management

**South Bend, IN**

*Dec 2016 – Aug 2017*

### T3 Trading Group

*Equity Trader*

- Managed a \$400,000 intraday-trading portfolio of U.S. equities based on technical and fundamental analysis

**New York, NY**

*Jan 2016 – Nov 2016*

## RESEARCH

### Jinan University, Institute of Industrial Economics

*Research Assistant (Part-time)*

- Conducted research on machine learning algorithms for economics data analysis
- Performed data cleaning and analysis to assist ongoing economics research

**Guangzhou, China**

*Mar 2018 – Present*

### Shenzhen University, College of Continuing Education

*Lecturer (Part-time)*

- Taught freshman level mathematics courses: Discrete Mathematics and Pure Mathematics

**Shenzhen, China**

*Oct 2019 – Jun 2020*

## PUBLICATIONS

Zheng, T., "Sequential Clustering and Dimension Reduction Algorithm of Time-series Data", *CEO & CIO In Information Times*, ISSN1007-9440, 23(1): 2-8, 2020.

Zheng, T., "Relative Severity Analysis and Time-series Prediction of COVID-19 Outbreak", *Health World*, ISSN1005-4596, 27(5): 23-28, 2020.