# Zhizhao (Eric) Lin

535 W Johnson Street, Madison, WI | +1 (608) 622 5259 | lin9@uchicago.edu | LinkedIn | GitHub

## EDUCATION

**THE UNIVERSITY OF CHICAGO**                                                                                                                    **Chicago, IL**
**Master of Science in Financial Mathematics**                                                                     **Expected December 2022**
- Courses: Portfolio Theory & Risk Management, Python, Option Pricing, Probability & Stochastic Processes

**THE UNIVERSITY OF WISCONSIN**                                                                                                      **Madison, WI**
**Bachelor of Science in Computer Science and Economics (GPA: 3.71/4.0)**                                         **May 2021**
- Courses: Algorithms, Artificial Intelligence, Operating Systems, Machine Learning, Econometrics

## SKILLS

**Computing:** C++, Python, Jupyter, R, SQL, Java, Unix/Linux, Stata, Perl, MS Office
**Knowledge:** Financial Markets, Machine Learning, Statistical Modeling, Data Analytics, Econometrics
**Trading Products:** Futures, Commodities, Fixed Income, Equities, Options, Cryptocurrencies

## EXPERIENCE

**MORGRIDGE INSTITUTE FOR RESEARCH**                                                                                          **Madison, WI**
**Software Engineering Intern**                                                                                         **January 2020 – April 2021**
- Developed and managed custom Python project for HTCondor to improve computational efficiency
- Designed and implemented live progress monitoring in Jupyter Lab using JavaScript and HTML
- Developed custom print format for monitoring computational activities for LIGO
- Programmed and updated existing Cron jobs infrastructure from Perl to Python

**EASTWAY LTD.**                                                                                                                    **Guangzhou, China**
**Algorithm Development Intern (Remote)**                                                                     **June 2020 – September 2020**
- Developed pattern recognition trading algorithm using GMMA and EMA indicator
- Developed event-driven backtest system in Python for benchmarking trading strategies

**JOY AETHER LTD.**                                                                                                                            **Chicago, IL**
**Software Engineering Intern**                                                                                           **July 2019 – August 2019**
- Developed CCSF conference application in Kotlin with Android Studio for 35,000 visitors
- Designed and programmed application in Agile development environment
- Collaborated with 7 members of the development team using Git
- Tested and debugged Android application using JUnit and Espresso
- Provided user requirements analysis and created detailed documentation for development team

## EXTRACURRICULAR

**THE UNIVERSITY OF WISCONSIN**                                                                                                      **Madison, WI**
**Website Chair, Theta Tau**                                                                                                  **April 2018 – May 2021**
- Updated UI elements using WordPress for improved navigation on fraternity website: thetatauxi.org
- Created JavaScript program to redirect website inquiries to the appropriate chair members

**Vice President, Chinese American Student Association**                                                   **October 2019 – January 2018**
- Organized social and charity events for 50 members of organization

## PROJECTS

**Stock Forecast**                                                                                                                  **Jan 2020 – February 2021**
- Developed machine learning project utilizing algorithms like LSTM to forecast stock prices
- Created custom scrappers to generate and clean company stock prices data based on ticker

**Personal Website**                                                                                                          **January 2018 – February 2019**
- Created personal website using HTML, CSS, and JavaScript accessible through: elin1231.github.io

## ADDITIONAL INFORMATION

**Languages:** English (fluent), Mandarin (fluent)
**Interests:** Tennis, Poker, Ultimate Frisbee, Guitar