CHENGLONG LI

(+46) 0700253183 | asuralmax0915@outlook.com

EDUCATION

Faculty of Science and Technology, Uppsala University

August 2023 – Ongoing Uppsala, Sweden

Master of Science in Machine Learning and Statistics

- Cumulative GPA: 3.4/4
- Core Courses: Statistical Machine Learning, Theoretical Foundations for DS, Applied Linear Algebra for DS, Reinforcement Learning

School of Computer Science and Technology, Shandong University of Finance and Economics

September 2019 - June 2023 Jinan, China

Bachelor of Engineering in Computer Science and Technology

- Cumulative GPA: 3.46/4
- Core Courses: Programming of Advanced Language, Discrete Mathematics, Data Structure, Computer Organization and Architecture, Algorithms Analysis and Design, Software Engineering

School of Finance, Shandong University of Finance and Economics

September 2020 - June 2023 Jinan, China

Bachelor of Economics in Finance (Minor)

- Cumulative GPA: 3.56/4
- Core Courses: Micro-Economics, Macro-Economics, Finance, Econometrics, Financial Market, Financial Derivatives, Investment Banking, Financial Engineering, Financial Risk Management

RESEARCH & PROJECTS

Playing Pong with DQN

December 2024 – June 2024

Course Project (Reinforcement Learning) Uppsala, Sweden

- Conducted in-depth literature reviews and drafted detailed explanations of the mathematical principles underlying Deep Q-Networks (DQN).
- Designed and executed ablation studies to identify the impact of different model components on performance, enhancing understanding of critical features.
- Analyzed experimental results to determine optimal hyperparameters, significantly improving model accuracy and efficiency.

Do we need more bikes?

October 2023 – January 2024

Course Project (Statistical Machine Learning) Uppsala, Sweden

- Collaborated with classmates to elucidate the mathematical principles underlying machine learning algorithms such as LDA, QDA, k-NN, Decision Trees.
- Implemented data preprocessing techniques to enhance feature relevance and overall model performance.
- Successfully optimized and applied these models to a test dataset, achieving an accuracy rate of 91.2%.

Trend Prediction of Financial data Changes based on Time-series Analysis Model

December 2022 - June 2023

Undergraduate Thesis Jinan, China

- Conducted an in-depth study of various time series analysis models and implemented these models in Python, focusing on applications in real-world datasets.
- Explored and implemented stock price prediction methods using the ARIMA model, LSTM model, and AT-LSTM model, enhancing predictive accuracy and financial analysis capabilities.

INTERNSHIP & WORKING EXPERIENCE

ACM Society of Shandong University of Finance and Economics September 2020 - June 2021

President, ACM Society Jinan, China

- Oversaw the selection and management of members within the ACM Society, ensuring effective operation and member engagement.
- Organized and led training sessions for society members on ACM and ICPC competition problems, fostering skill development and competitive success.

HONORS & SCHOLARSHIPS

- Excellent Bachelor's Thesis of Shandong University of Finance and Economics October 2023
- Excellent Graduates of Shandong University of Finance and Economics March 2023
- First Prize, Scholarship of Shandong University of Finance and Economics October 2022
- Second Prize, Scholarship of Shandong University of Finance and Economics October 2021
- Second Prize, National Undergraduate Mathematical Modeling Competition of China October 2021
- Second Prize, Scholarship of Shandong University of Finance and Economics November 2020
- First Prize, Shandong University of Finance and Economics Business Plan Competition November 2020
- Second Prize, Lanqiao Information Technology Professionals Competition October 2020

SKILLS

- Language: Fluent in written and spoken English, proficient in Chinese Mandarin.
- Software: Microsoft Office, MySQL
- Programming: Proficient in MATLAB, C++, Python