Shuyi Wei

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EDUCATION

University of California, Irvine   09/2024 - 06/2025
Student Exchange Program: Success Through Academics and Research (STAR) Program

Hangzhou Dianzi University (HDU)   09/2021 - 06/2025
Major: Computer Science and Technology   GPA: 4.49/5.0

New York University (NYU)   07/23/2023 - 08/10/2023
Study Abroad Program: ALI Summer
Course: *Data Visualization Techniques for Business*

PUBLICATIONS

Shuyi Wei, Xin You (Co-author), Yaonan Jiang, *Predicting Carbon Emission at Fine Time Granularity Using Autoformer*, 2024 13th International Conference on Clean and Green Energy (ICCGE 2024); Paper ID: GE2006, August 2024

Shuyi Wei, *A Study on Social Engagement of RPGs*, Lecture Notes in Education Psychology and Public Media,13,177-186. https://doi.org/10.54254/2753-7048/13/20230879

RESEARCH & ACADEMIC PROJECTS

JD Logistics   07/2024
Personal Assistant for Operation Support
- Learned about the basis knowledge about logistics and 'Big Boss' payroll policy of the company
- Assisted in checking the wage data of the Supply Chain Department and used Excel pivot tables proficiently to process data

Data Visualization and Prediction of Carbon Emission   09/2023 - 06/2024
Advisor: Associate Professor Xiaoying Shi, HDU
- Collected and sorted out 100,000+ CO_2 emissions data from 300+ cities, summarized and classified the research data from multiple data sources
- Used Python for exploratory analysis (EDA), including preprocessing of missing data and outliers and data normalization, screening valid features and presenting distribution features through visualization charts
- Built multiple prediction models with deep learning and machine learning algorithms, assisted the advisor in evaluating model effects and selecting the optimal solution, and helped cities better formulate energy-saving and emission reduction plans
- Collaborated with the team to finish the paper, *Predicting Carbon Emission at Fine Time Granularity Using Autoformer*, which has been accepted by the ICCGE 2024

Data Visualization—Dessert Shops in New York Northern Soho   07/2023 - 08/2023
Course Project of Data Visualization Techniques for Business, NYU
- Visited more than 20 dessert shops and interviewed the clerks to collect the needed business data
- Performed statistical analysis on the data, filtered out the required indicators, and completed the visualization, including two maps in Tableau, one hand-drawn creative image, and one bubble chart in Flourish, and produced a report

Virtual Fit Project   01/2023 - 04/2023
Team Leader, Advisor: Prof. Zhou Yu, and Prof. Fei Gao, HDU
- Organized meetings and time schedule
- Contributed in literature collection, algorithm (CoCosNet model) analysis and slides creation, and assisted in web design

Contemporary Topics in Digital Media and Game Studies, Online   01/2023 - 03/2023
Advisor: Prof. Steve Anderson, UCLA
- Learned about theories of digital media and game studies, research methods, and skills for writing paper
- Wrote the paper *A Study on Social Engagement of Role Playing Games (RPGs)* published by Lecture Notes in Education Psychology and Public Media; got A score in this program

Artificial Intelligence and Machine Learning — Computer Vision, Online   07/2022 - 08/2022
School of Continuing and Lifelong Education in collaboration with School of Computing, National University of Singapore
- Studied fundamentals in linear algebra, probability, Python, image processing, algorithms, and face recognition
- Participated in the group project *Traffic Sign Recognition* and mainly contributed to making slides and presentation; got Merit in this program

INTERNSHIP & EXTRACURRICULAR ACTIVITIES

Analysys, Online   07/2024 - 08/2024
Business Analyst Intern
- Improved an AI product database, mainly responsible for relevant data of the Agent development platform (ADP)
- Conducted detailed research on relevant products of the ADP and finished product reports and comparison tables
- Studied related enterprises and current situation of the industry and produced comparative analysis table of enterprise competitiveness and a brief industry analysis
- Summarized the research project situation of the entire ADP and made the slides

Student Union, School of Computer Science, HDU   09/2021 - 06/2023
Leader, Department of Literature and Art
- Acted as the director of 2023 The Book of Time Party-Dream Maker, and the 2022 Freshmen Welcome Party
- Responsible for rehearsals and designing posters in the 2021 Freshmen Welcome Party
- Planned and organized 2022 Top Ten Singers; served as piano accompaniment instructor of the 2022 129 Chorus, and counselor of the 2023 Top Ten Singers
- Assessed as Excellence in four consecutive semesters

AWARDS & HONORS & SKILLS

- Outstanding Leader of Student Union   2023
- Successful Participant in the 2023 Interdisciplinary Contest In Modeling   2023
- Finalist in the 2022 Certificate Authority Cup International mathematical contest in modeling   2022
- Second-Class Scholarship four times   2022 & 2023
- Awards for Arts and Cultural Activities three times   2022 & 2023
- Third Prize in the VCR-Campus in My Eye Contest   2021

Programming: C, C++, Python, SQL, R
Software: MATLAB, SPSS, Tableau, Office series (PPT, EXCEL, WORD)