

Shuyi Wei

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🌐 <https://eviewei0720.github.io/>

EDUCATION

University of California, Irvine	09/2024 - 06/2025
Student Exchange Program: Success Through Academics and Research (STAR) Program	GPA: 4.0/4.0
Hangzhou Dianzi University (HDU)	09/2021 - 06/2025
Major: Computer Science and Technology	GPA: 4.49/5.0 (WES: 3.87/4.0)
New York University (NYU)	07/23/2023 - 08/10/2023
Study Abroad Program: ALI Summer	
Course: <i>Data Visualization Techniques for Business</i>	

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), 1333, 135–149. https://doi.org/10.1007/978-981-96-1812-5_13
- 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
<i>Personal Assistant for Operation Support</i>	
<ul style="list-style-type: none">• 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
<i>Advisor: Associate Professor Xiaoying Shi, HDU</i>	
<ul style="list-style-type: none">• Collected and sorted out 100,000+ CO₂ 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, <i>Predicting Carbon Emission at Fine Time Granularity Using Autoformer</i>, which has been published by the ICCGE 2024	
Data Visualization—Dessert Shops in New York Northern Soho	07/2023 - 08/2023
<i>Course Project of Data Visualization Techniques for Business, NYU</i>	
<ul style="list-style-type: none">• 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 chief 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

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| • 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)