

Yu-Shin Liou

The department of Sociology in National Taiwan University (undergraduate)

Extension student in UC Berkeley

Email: yushin@berkeley.edu

Phone: +1 909-630-2864

SKILLS

Programming Languages

- C/C++, Python, js, html, css, react(*GitHub page*)

Statistics related

- Stata, R, SPSS, LISREL, HLM, excel

QUANTITATIVE RESEARCH EXPERIENCE

Big Data Research Group

Research Assistant

- *The Institute of Information, Sociology, and Statistics at Academia Sinica(Joint employment)* *March 2021 - Present*
 - **social media survival analysis:** Constructed dynamic network graphs using comment/tag record on FB and used survival analysis to analyze the formation of ties.
 - **Explore the Relationship between Social Network and Loneliness:** Conducted logistic regression and found that individuals tend to feel more loneliness when they have a lower local clustering network.

Food delivery platform

Research Assistant

- *Research Center for Humanities and Social Sciences at Academia Sinica* *Feb 2023 - July 2023*
 - **content:** Develop a web crawler to auto-fetch daily menus from UberEats and Foodpanda for restaurants in Taiwan

RELATED COURSE EXPERIENCE

Introduction of artificial intelligence

A-

- *UC Berkeley, Department of computer science* *2022 Fall semester*

Applied Deep Learning

A-

- *NTU, Department of Computer Science and Information Engineering* *2022 Fall semester*

Data Structures and Advanced Program Design

A

- *NTU, Department of Information Management* *2023 Fall semester*

Programming Design (c++ programming)

A+

- *NTU, Department of Information Management* *2022 Fall semester*

TEACHING ASSISTANT EXPERIENCE

Global MBA Program Core Course TA

English-medium instruction

- *Business Administration, National Taiwan University* *2022 Fall semester*
 - **course name:** Statistics and Data Analysis
 - **Background:** Most students in the program have management positions and working experience of 5+ years.

Statistics Education Center TA

English-medium instruction

- *Core Course TA in Business Administration, National Taiwan University* *2023 spring semester*
 - **course name:** Statistics
 - **Background:** The first undergraduate student at NTU to be admitted as a TA by the Statistics Education Center.

QUALITATIVE RESEARCH EXPERIENCE

- **The Fire Evacuation Map for the Blind** User Experience Research
Crowd Social Enterprise & Association of Parents of Visually Impaired Individuals *Feb 2022 - Apr 2022*
 - **Content:** Using both qualitative and quantitative methods. Including unstructured interviews, questionnaire surveys, and user experiments.
 - **Results:** The research result was applied to some public place blind map designs and provided to the National Fire Agency to enact the CNS blind map standard.

AWARDS

- **Social Simulation Workshop** 1st place
Reproduced classic Agent-based Models in social science. Rewarded 60,000 NTD (about 2,000 USD) *2021*
- **National Taiwan University Principle award** Scholarship Recipient
An academic achievement award that grants a one-year full tuition scholarship at NTU *2022*
- **5th Yulin Talent Cultivation Program Scholarship** Scholarship Recipient
A social practice Scholarship rewarded 600,000 NTD(about 20,000 USD) *2022*
- **Future Scholars in the Humanities and Social Sciences** Scholarship Recipient
Provides living expenses, airfare, and full tuition for an exchange program at UC Berkeley, USA *2023*