

# Wei-Jie (Jack) Chen

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## Educational Background

### National Taiwan University, Taipei, Taiwan

2018/09-Present

- Major in Information Management
- Minor in Engineering Science & Ocean Engineering
- Admitted to Business Analytics Program
- Annual GPA are 4.02 (21<sup>st</sup>/106), 4.08 (29<sup>th</sup>/124), 4.01 (33<sup>rd</sup>/127) and 4.25 (12<sup>nd</sup>/161), got Academic Excellence Award twice

### University of Birmingham, Birmingham, United Kingdom (Exchange Program)

2022/01-2022/06

- Major in Computer Science

## Professional Skills

- Languages: Native – Mandarin, Fluent – Taiwanese & English (TOEFL 103 (R29 L27 S23 W24)), Beginner – Japanese (2 years)
- Programming: Python, C, C++, R, SQL, MATLAB, HTML, CSS, JavaScript, Verilog
- Software: Microsoft Excel, PowerPoint, Word; Google Sheets, Slide, Document; Latex, SPSS, PSpice

## Academic Projects

### Simple Taiko Drum Master (Python)

107-1

- Constructed a gaming GUI, controlled objects' movement, and found an algorithm to calculate score based on accuracy

### Text Similarity Analysis on PTT & Dcard (R)

108-1

- Analyzed and compared similarity between any two documents on two main forums in Taiwan, became the top 6 among 20 groups

### What to Eat for Lunch? (Python & Operations Research Methods)

108-2

- Used operations research methods to build a model, helped determine a daily choice of what to eat for lunch
- Took various considerations from our fellow students, then formulated and optimized them using packages in Python

### PTT Tag (Python)

109-1

- Used tf-idf score and k-means model to vectorized and clustered documents on PTT stock board
- Calculated Chi-square score, selected meaningful features and tagged all the documents in each cluster

### Elite Camp Alumni Reunion Website (HTML & CSS)

109-2

- Based on templates, constructed a website for the alumni reunion event (Link: <http://elitecamp.management.ntu.edu.tw/2021/>)

### Logo Shot - Trademark Image Recognition and Generation (Python)

109-2 - 110-1

- Used open data from Taiwan Intellectual Property Office to build deep learning models (fastText, ResNet 152, LoGANv2)
- Built an application that can search registered trademarks based on text or image inputs
- Used registered trademarks to generate brand new trademarks for inspiration
- App download link: <https://play.google.com/store/apps/details?id=meow.logoshot>

### IMDb Ratings Prediction and Actor Embedding Learning (Python)

110-1

- Used Word2Vec to learn embeddings for each actor, then used these embeddings to help predict IMDb ratings for each movie
- Compared similarities and analyzed styles of actors using their embeddings

### Airline Passenger Satisfaction Prediction And Analysis (Python)

110-1

- Used various machine learning models (KNN, Gradient Boosting, Random Forest...) to predict the satisfaction of airline passengers
- Analyzed important factors and gave strategy suggestions to help improve customer satisfaction

## Internship Experiences

### Inline Apps – Revenue Team Intern -> Revenue Team Leader

2020/08-2021/05

- Managed global revenue and made sure the cash flow is steady and stable at a start-up company
- Developed various analyses and visualizations on internal data to gain business insights and help make decisions
- Using my information technology skills, I helped speed up and optimize operational processes in many aspects
- Communicated with colleagues around the world and collaborated with other international enterprises
- Interviewed and assessed applicants of revenue team internship, paid attention to knowledge management and transfer
- Led other interns of revenue team, properly allocated different jobs to achieve monthly target of revenue stability

## Activity Experiences

### Elite Camp with Peking University - Banquet group Leader

2019/03-2019/07

- Admitted to Elite Camp which only accepts 30 people in the whole college and took the responsibility of the whole banquet group
- Allocated jobs, communicated with performers, prepared equipment for four well-organized banquets

### Orientation Camp for NTU ACCT – Vice Coordinator

2019/04-2019/10

- Arranged everything needed in a 2-day camp, led a team of 60 people, gave 100 attendants an unforgettable experience

### Hex School, Front-End Engineer Experience Camp

2021/03-2021/08

- Learned how build a website from scratch using HTML, CSS and JavaScript, then built an E-commerce website based on Bootstrap5
- Demo link: [https://jackchen890311.github.io/Projects/Code/Hexschool\(Front-end\)/Final-Perfume/index.html](https://jackchen890311.github.io/Projects/Code/Hexschool(Front-end)/Final-Perfume/index.html)