Wei-Jie (Jack) Chen

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Educational Background

National Taiwan University, Taipei, Taiwan 2018/09-Present
- M.S. in Computer Science and Information Engineering
- B.B.A. in Information Management
- Admitted to and completed Business Analytics Program
- Annual GPA are 4.02 (21st /106), 4.08 (29th/124), 4.01 (33rd/127) and 4.25 (12nd/161), got Academic Excellence Award twice

University of Birmingham, Birmingham, United Kingdom (Exchange Program) 2022/01-2022/06
- Major in Computer Science
- Course taken: Computer Vision and Imaging, Visualisation, Artificial Intelligence and Machine Learning

Professional Skills

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

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

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

Ret[AI]ling Data – Machine Learning Engineer Intern 2022/08-Present
- Use AI technology to assist and improve human life by building deep learning models for various goals
- Mainly focus on computer vision related field, such as human face and body analysis, basketball game video analysis
- Develop multiple different functions based on customer requirements and integrate them into an end-to-end system
- Compress, accelerate and deploy deep learning models on edge machines for daily usage

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, JavaScript) 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 (Node.js, Python, SQL) 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