

Caslow Chien

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Education

Boston University | Boston, MA

Master of Science in Data Science Expected May 2025

National Taiwan University | Taipei, Taiwan

Bachelor of Science, Major in Physics Sep 2019 – Jun 2024

- One-year exchange program in the Australian National University

Work Experience

Neural Network Scoring System for Game Prototype, National Science and Technology Center | Taipei, Taiwan

Data Science Contractor Jan 2024 – May 2024

- Designed a project for disseminating disaster reduction knowledge by developing a mobile game with JavaScript.
- Trained deep learning Pytorch model on official survey data and conducted statistic validation for gaming score.
- Collaborated in contract with host after winning the Most Popular Award in a data competition.

Two-Tower Recommendation System for Online Shopping, Accudata Research Institute Inc.

Data Science part-time Intern Mar 2023 – Jun 2023

- Researched nearest neighbor search methods suited for company hardware, optimizing parameters to balance resource consumption and computation speed, enhancing recommendation system efficacy by 20%.
- Retrieved and analyzed data using Microsoft SQL Server, designed data batch formats and fetch intervals for integration into a two-tower recommendation system, and resolved data conflicts.

Projects/ Contests

Dashboard with Automatic Tagging and Market Sentiment Analysis Model Jun 2023

- Skill matrix: natural language processing, data mining, machine learning, front-end development
- Tools: Python (Streamlit), ML model (ChatGPT API), CSS.

Coding 101 University Programming Contest, 3rd place Mar 2023

- Skill matrix: natural language processing, data mining, machine learning, web crawling,
- Tools: Python (BeautifulSoup, Requests), ML model (RoBERTa).

Data Communication of Disaster Prevention Contest, 3rd place & Best Popularity Award Dec 2022

- Skill matrix: data prediction, data mining, machine learning, model deployment, web design
- Tools: Python (Pandas, Pytorch), ML model (self-built DNN), HTML, CSS, JavaScript.

Nation Colleges Data Analysis Contest, Finalist Dec 2022

- Skill matrix: data analyze, data mining, data visualizing
- Tools: Python (Pandas, Matplotlib, Seaborn), Tableau

Data Analysis and Prediction for electric car chargers Dec 2022

- Skill matrix: data analyze, data mining, front-end development, full-stack development
- Tools: Python (Pandas, Pytorch), ML model (self-built DNN), HTML, CSS, JavaScript

Database Management System for movie with PHP Nov 2022

- Skill matrix: relational database management
- Tools: PHP, JavaScript, SQL

National College Business Case Contest, Finalist May 2020

Leadership/ Activities

Data Analytics Club, National Taiwan University | Taipei, Taiwan

Member Sep 2022 – Jun 2023

- Extracted insightful results from data and communicated with visualization.
- Solved practical business cases through problem-solving, project management, and consulting skills.

Pop dance Club, National Taiwan University | Taipei, Taiwan

President & Education Officer Jul 2020 – Jul 2021

- Led a club of 400 members and organized Taiwan's largest street dance competition.

Research Experience

Multimodal Generative AI for Music-Driven Dance Generation, National Science and Technology Council | Taiwan

Researcher Jul 2023 – May 2024

- Fine-tuned and de-bugged an AI dancing model which takes music as an input and output 3D motions.
- Created dataset by choosing, trimming, and tuning music speed to match the existing video.
- Awarded the 2023 College Student Research Scholarship.

Artificial Intelligence and Multimedia Laboratory, National Taiwan University | Taiwan

Research Assistant Jul 2022 – Jul 2023

- Contributed to data annotation for image recognition model and hyperparameters for knowledge distillation model.
- Presented text-to-image advertisement generation diffusion models at IEEE ICEM in Brisbane, Australia.
- Studied neural network adversarial attacks on self-driving vehicles and proposed solutions at Hon Hai Tech Day.