

Caslow Chien

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EDUCATION

Boston University | Boston, MA

Master's, Data Science Expected May 2025

- Courses on Agile development and Project Management in DS.

National Taiwan University | Taipei, Taiwan

Bachelor's, Physics Sep 2019 – Jun 2024

- One-year exchange program in the Australian National University

PROFESSIONAL EXPERIENCE

National Science and Technology Center | Taipei, Taiwan

Data Science Contractor Jan 2024 – May 2024

- Designed a game prototype worth \$17,000 for disseminating knowledge in Taiwan's market.
- Created a DNN model for classification with statistic validation, identifying 16 groups with 80% accuracy.

Accudata Research Institute Inc. | Taipei, Taiwan

Data Science part-time Intern Mar 2023 – Jun 2023

- Built a recommendation system for e-commerce in 3 months, reducing search time to 0.05 ms with a 97% recall.
- Optimized product data retrieval with SQL Server, cutting processing time by 50% and resolving data conflicts.

PROJECT / CONTESTS

Auto Daily Report with Market Sentiment Analysis Jun 2023

- Built a Python Streamlit dashboard that reduced repetitive tasks by 80% at Taiwan's top e-scooter company.
- Fine-Tuned GPT-3.5 for sentiment scoring and multi-label auto-tagging model.

Quantitative Trading Platform with Stock Market Sentiment Analysis Mar 2023

- Built a quantitative trading platform with daily analyzation report, awarded 3rd place in programming contest.
- Fine-tuned sentiment analysis Hugging Face model with self-scrapped Twitter data in a full-stack project.

Demand Prediction and Analysis for Electric Vehicle Dec 2022

- Led a team of nine, conducted EDA and designed a DNN model to predict EV charging demand by region.
- Developed a single-page website, integrating the AI model to deliver user-friendly insights.

RESEARCH EXPERIENCE

National Science and Technology Council | Taipei, Taiwan

Researcher Jul 2023 – May 2024

- Refined a 3D breakdancing video generation model, receiving 10% more votes from professional dancers.
- Awarded the 2023 College Student Research Scholarship and Accepted by IWAIT2025 as an oral paper.

Artificial Intelligence and Multimedia Laboratory, National Taiwan University | Taipei, 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.

LEADERSHIP/ ACTIVITIES

BU Spark! Hackathon, Boston University | Boston, US

Mentor Oct 2024

- Guided participants with support in Git version control, project management, and effective presentation methods.

Data Analytics Club, National Taiwan University | Taipei, Taiwan

Member Sep 2022 – Jun 2023

- Developed consulting, project management, survey design, data presentation and 8 additional skills.
- Showcased problem-solving skills by presenting dashboard results for projects using Excel and Tableau.

Pop dance Club, National Taiwan University | Taipei, Taiwan

President & Education Officer Jul 2020 – Jul 2021

- Led a club of 400 members and organized 12 events, including Taiwan's largest street dance competition.

SKILLS

Python (Pytorch / Tensorflow / sklearn / keras/ pandas / seaborn), Git, SQL, Tableau – advanced
R, Docker, Postgres, Azure, DataBricks, PowerBI, SQLite, HTML, CSS, Javascript – intermediate
Hadoop, Spark, MapReduce, Kubernetes, Looker – entry