Tsai Chun Lin

CONTACT

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CARRER OBJECTIVE

To obtain a position as a Frontend or Full-Stack Developer where I can apply my technical skills, creativity, and problem-solving skills to build engaging and efficient web applications. I aim to contribute to a dynamic team while continuing to learn and grow in modern web technologies.

EDUCATION

Victoria University | 2024-2025

Master of Applied Information Technology

- GPA: 6.25
- First Year Course Champion: In recognition of receiving the highest Weighted Average Mark for the first 8 units attempted.

The University of Queensland | 2021-2023

Master of Information Systems & Advertising

- GPA: 5.37

PROJECTS

Book 2 Drive App - Updated Version | 2025

- Developed a full-stack web application using HTML, CSS, JavaScript, and PHP
- Integrated a MySQL database through phpMyAdmin for efficient data storage and management
- Implemented user authentication features including registration, login, and session management
- Designed and managed dynamic data for students, instructors, and booking records
- Created a responsive, mobile-friendly interface ensuring smooth user experience across devices
 Live Demo Link: https://book2drive.gt.tc/

Book 2 Drive App | 2025

- Developed a mobile app prototype using HTML, CSS, and JavaScript to improve student notifications and course communications.
- Designed a modern, user-friendly interface with focus on accessibility and usability for students and instructors.
- Demonstrated a real-time notification system to address communication gaps.
 Live Demo Link: https://brooke-lin.github.io/NIT6150-AdvancedProject/

Multi Steps Form | 2024

- Built a responsive multi-step form using JavaScript, HTML, and CSS with progress indicators and validation at each step.
- Ensured smooth user experience across mobile and desktop devices.
  Live Demo Link: https://brooke-lin.github.io/WebProjects_MultiStepsForm/

News Homepage | 2024

- Developed a responsive news portal using HTML, CSS, and Bootstrap for mobile and desktop devices.
- Implemented clean, modern UI with semantic HTML and well-organized CSS for easy customization.
  Live Demo Link: https://brooke-lin.github.io/WebProjects_NewsHomepage/

Real Estate Analysis | 2023

- Conducted data cleaning and data preparation on real estate datasets to identify property market trends.
- Applied clustering (KMeans, Agglomerative) and predictive modeling (Decision Tree, Random Forest, ANN, KNN, Naive Bayes).
- Achieved highest accuracy using Random Forest, identifying key features such as property size and number of baths influencing market behavior.
- Tools: Python, Pandas, NumPy, scikit-learn, Matplotlib.

Clinical Notes Text Mining | 2023

- Applied natural language processing (NLP) techniques to analyze unstructured clinician notes.
- Conducted text preprocessing (tokenization, stopword removal, lemmatization) and generated features with TF-IDF, n-grams, and sentiment analysis.
- Built topic models (LDA) to uncover themes such as pain management, home care, and follow-up needs.
- Tools: Python, Pandas, NumPy, scikit-learn, NLTK, Gensim, VADER, PyLDAvis.

SKILLS

- Programming Languages: Python, JavaScript, PHP
- Web Development: HTML, CSS, Bootstrap
- Databases: MySQL
- Version Control: Git, GitHub

ECAs

- Southern Districts Basketball Association - Senior Competition | 2023-2025
- 3x3 UQ SLAM (Basketball) | 2023
- UniSport Nationals (Basketball) | 2023
- 3x3 Big Hustle (Basketball) | 2023