SHIH-CHIEH WANG

AI Developer | Data Scientist

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EXPERIENCE

Flutter Developer
Freelancer

📅 June 2018 – July 2019   📍 Taiwan

- Developed two large projects with Dart/Flutter/CodeMagic
- Integrated lots of Flutter skills, tools and created windsuzu/Flutterpedia

Android & iOS Developer
Triotechno

📅 March 2017 – May 2018   📍 Taiwan

- Developed more than 5 large projects for both Android and iOS system with Java/Kotlin and Swift
- Collaborated with more than 5 backend developers
- Self-learned Swift/iOS, design pattern, sketch, etc., during the time

PROJECTS

Joint Semantic Phonetic Emebedding
Neural Machine Translation with Feature Engineering

📅 Jul. 2021   ⚙ windsuzu/Joint-Semantic-Phonetic-Embedding

- Utilized phonetic extracts and feature engineering with embedding to improve Chinese-Japanese neural machine translation
- The master's thesis received 94.3/100 from three prominent professors

Deidentification of Medical Data
Chinese Named Entity Recognition

📅 Dec. 2020   ⚙ windsuzu/AICUP-Deidentification-of-Medical-Data

- Implemented conditional random field (CRF) and BERT to detect and tag named entities from medical text data
- Abstracted the task structure and implemented the design pattern with absl-py, command-line tools, and IPython

Robotic Navigation
Core Skill Sets for Self-Driving Cars

📅 Jun. 2020   ⚙ windsuzu/Robotic-Navigation

- Implemented self-driving algorithms such as kinetic model, path tracking, planning, SLAM, etc., and deep learning methods like semantic segmentation and DDPG reinforcement learning
- Implemented path tracking, avoidance, and parking task on the NVIDIA Jetbot in both simulation and real world

Analysis and Classification of Thesis
Chinese Sentence Multi-label Classification

📅 Dec. 2019   ⚙ windsuzu/AICUP-Analysis-and-Classification-of-Thesis

- Implemented arXiv abstract sentence classification with more than 10 deep learning frameworks and fine-tuning methods
- Led a five-person team through the project and the competition

EDUCATION

M.S. in Artificial Intelligence
National Cheng Kung University

📅 September 2019 – July 2021   ✳ Certificate

ACHIEVEMENTS

AICUP - Tagging of Thesis
Top 25%

📅 December 2019   ✳ Certificate

Cloud Innovation App Competition
2nd

📅 May 2016   ✳ Certificate

LANGUAGES

Chinese   ● ● ● ● ●

English
TOEIC (950/990)

📅 August 2021   ✳ Certificate

Japanese
JLPT N2 (177/180)

📅 December 2020   ✳ Certificate

SKILLS

Programming Languages

`Python` `Java` `Dart` `Kotlin` `Swift` `Javascript` `SQL` `LaTeX`

Frameworks, Libraries

`Scikit` `Pandas` `Selenium` `Tensorflow 2` `PyTorch` `PyTorch-Lightning` `wandb`

Tools, Environments

`UNIX/Linux` `VS Code` `Git` `Docker` `IPython` `Firebase`

Personal Skills

`Problem Solving` `Self-Studying` `Design Pattern` `Presentation`