

Ya-Chi Chan

Mobile App Developer

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🔗 <https://github.com/maggie860326>

Innovative Flutter developer skilled in integrating AI models and machine learning frameworks into mobile apps. Proficient in Dart, Flutter, state management, and API integration, with experience creating responsive UIs and optimizing performance for iOS and Android. Outside of work, I fuel my creativity through scuba diving, sailing, and playing the piano. Eager to bring fresh ideas and technical expertise to a dynamic, innovative team.

Skills

- Flutter App development
- State management
- MVVM, MVC
- Git
- Python
- PyTorch, TensorFlow, OpenCV, YOLO
- Human pose detection
- Docker

Projects

● AI-Powered Mobile App for Early Alzheimer's Detection

- Designed a mobile application leveraging AI to analyze spontaneous speech for Alzheimer's risk assessment.
- Implemented OpenAI's Whisper model to transcribe recorded speech into text with high accuracy.
- Developed a backend pipeline using Python to extract 15 linguistic features, such as long pause ratio and lexical density.
- Created intuitive radar chart visualizations to present linguistic feature scores and abnormality predictions, ensuring user-friendly results delivery.

● H&M Personalized Recommendation System

- Developed a personalized recommendation system leveraging H&M's customer purchase history, with deployment on a functional web platform.
- Designed and implemented SVD and KNN-based recommendation models, achieving optimized performance through cross-validation on Spark.
- Built an interactive web interface with functionalities such as personalized recommendations, similar product suggestions, and automated reporting.
- Deployed the application using Docker Compose for scalable and efficient containerized services.

Education

● National Cheng Kung University

2023 - present

- M.S in Intelligent Technology Systems

● National Cheng Kung University

2015 - 2019

- B.S in Psychology