Michelle Yeh (Szu-Chen, Yeh)

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Phone: (+886) 0975733912

GitHub: Michelle-mm

Protfolio: https://michelle-mm.github.io/portfolio/

Education

Yuan Ze University, Taiwan   -- Sep 2019 - Jun 2023

International Bachelor Program in Electrical and Communication Engineering

GPA 3.2

Skills

Programming:

- Python
- HTML
- CSS
- JavaScript
- TypeScript
- React.js

Database:

- MongoDB Atlas
- Firebase

AI:

- Deep learning
  (Microsoft AI 900 certificate)

Languages:

- Chinese - Native
- English (TOEIC: 875/990)

Soft skills:

- Communication
- Problem-solving

Experiences

Graduation Project: VR 3DFace-reconstruction system

Jun 2022 - Jun 2023

Converted a single 2D image into a 3D face mesh with deep learning models. Then animate the mesh with a pre-recorded human face video using Blender.

Y Z U Teaching Assistant

Sep 2022 - Jan 2022

Had been the TA of two courses, Artificial Intelligence and Deep Learning & Deep Learning with Python. My job was to help students with their deep-learning questions and check their homework.

Money Split App

Summer 2024

Built a money-splitting app based on a previous project written with Java and Android Studio. Optimized and simplified the original code and added more functions like making a simple backend function with **MERN**.

UIUC Summer Intern: Rehabilitation Engineering Research Lab

Jul, 2023

Analyzed human calf ultrasound and elastography images, participating in data collection to examine image properties using traditional texture analysis. Classified images with deep learning and image recognition.

Improving model accuracy from 50% to 80% by combining simple CNN with LBP techniques to address the small dataset issue.

Additionally, I used front-end programming to visualize project results and implemented a model test-run function with Python Flask."

Extracurricular activities

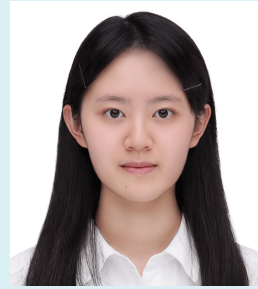Part-time job at ICCE-TW 2022

YZU Overnight Camping 2021

葉思辰 (Michelle)

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電話: (+886) 0975733912

GitHub: Michelle-mm

個人網頁: https://michelle-mm.github.io/portfolio/

學歷

台灣元智大學　-- Sep 2019 - Jun 2023

電機通訊英語學士專班

GPA 3.2

技能

程式語言:

- Python
- HTML
- CSS
- JavaScript
- TypeScript
- React.js

資料庫:

- MongoDB Atlas (初)
- Firebase (初)

AI:

- 深度學習
(Microsoft AI 900 certificate)

語言:

- Chinese - Native
- English (TOEIC: 875/990)

軟實力:

- Communication
- Problem-solving

經歷

畢業專題: VR 3D-人臉重建
Jun 2022 - Jun 2023

將單張2D影像使用深度學型模型重建出3D人臉模型及渲染出的臉皮。再利用**Blender**將臉皮和臉部模型合成，並使人臉模型做出與預錄影片相同臉部表情

元智課程助教
Sep 2022 - Jan 2022

曾當任兩門深度學習課的助教。幫助學生在課程與作業上解答問題。

紀錄分帳App
Summer 2024

將以前利用Android Studio和Java寫出一款簡單的分帳App重新寫出來並做一些改善。

利用**MERN**等呈現在簡潔乾淨的畫面和做出簡單連接的後端的功能。

暑期實習: 伊利諾大學厄巴納-香檳分校 復健工程研究室
Jul, 2023

分析人體小腿肌肉拔罐前後的超音波圖與彈性影像。工作從收集數據到使用傳統影像分析與深度學習來分析影像特徵。 使用深度學型與圖形辨識來對超音波圖做分類。

將50%準確率提升至80%，將結構相較簡單的深度學習模型與紋理特徵結合去訓練，解決了資料集較小的問題。

也利用前端將此成果視覺化，結合Python Flask加入試跑模型的功能。

課外活動

ICCE-TW 2022 打工

元智隔宿露營工作人員 2021