

Yun-Tung (Winona), CHU

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Education

National Chengchi University (NCCU), College of Commerce 09.2020 - 06.2024

B.S. in Management Information Systems

- GPA: 4.04/4.3
- Relevant Course: Programming Language, Calculus, Data Structures, Linear Algebra, Operating Systems, Algorithms, New Learning Algorithms, Database Management Systems

Work Experience

Innodisk Co. | Intelligence Peripheral Application SW, R&D Dept., Summer Intern 07.2022 - 08.2022

- Proposed an AIoT solution for FaceME Workstation using the product features of **FPGA**
- Used **Labelling** and **Data Augmentation** to preprocess AI image training datasets
- Used **Vitis-AI** to train **YOLOv4-tiny** on **Xilinx KV260** to identify screw welding defects: 95% mAP@0.45
- Used **Python** to program **unit test** for team development project
- Under **Linux**, used **Docker** to package the project

Hualiteq International Co. | Software R&D Dept., Intern 08.2023 - 12.2023

- Used **JavaScript** and Genesys Composer to develop IVR project
- Connected IVR to system **MS SQL Server** with **stored procedure**

Publications

"Social Robots for Older Adults in Medical Contexts" 11.2022

- Wen-I Lu, Yu-Wei Chen, Chin-Chen Shen, Ping-Hsuan Tsai, **Yun-Tung Chu**, Yu-Heng Hung, Shih-Yi Chien, Joyce Lee, and Shiau-Fang Chao

PROGRAM EXPERIENCE

Graduate Program: 04.2022 - 12.2023

"Color vision deficiency assistance – Hololens 2 Mixed Reality application"

- Used **Python** and **TensorFlow Object Detection API** with SSDMobileNet pre-trained model to train object detection model
- Used **C#** to develop the project functions and UI on **Unity**
- 2023 National Universities Innovation Competition, **First Place Winner**

"Transnational vaccination verification system" 04.2022 - 06.2022

- Integrated Web for info related to entry and vaccination in various countries
- Used **PHP** and **MySQL** to combine functions of the webpage and the **back-end** database
- 5th out of 30 groups

Corporate Project with EZTABLE Co.: 04.2022 - 06.2022

"KOC & Restaurant recommendation/matching System"

- Used KOC performance data and restaurant/KOC preferences to build a recommendation system for efficient KOC-restaurant matching
- Participated in whole data analysis project flow
- Used Python **pandas** toolkit to clean data and map different datasets
- Adopted user-based collaborative filtering as recommendation system algorithm

MONEY GRABBER | 2nd out of 25 groups

02.2021 - 06.2021

- Used **Java** to develop a restaurant search app around NCCU campus in **Eclipse**
- Used Python **Selenium** and **BeautifulSoup** toolkits to find all restaurants around campus
- Used the **Google Map API** to embed map into app

Kaggle: US Accidents Data Analysis | Best creative award

11.2022 - 12.2022

- Identified the factors that affect the severity of accidents and provided insights for transportation-related industries
- Used Python **pandas** toolkit to clean data
- Used **Tableau** and **Looker Studio** to visualize data

ACTIVITIES

Beta Gamma Sigma | Member

10.2022 - now

NCCU Commerce Career Ambassador | Head of Design Dept.

09.2021 - 06.2020

- Cultivated leadership and program management skill

NCCU Data Analytics Club | Marketing Dept.

06.2022 - 06.2023

- Used data analysis skills and **Looker Studio** to analyze the marketing effect of the community background data
- Used **Adobe illustrator** and **Photoshop** to produce social media graphic

TECHNICAL SKILLS

- Programming: Python, Java, PHP, HTML, SQL
- Tool: MySQL, MSSQL, VS code, Visual Studio, Eclipse, Git, GitHub, GitLab, Postman
- Data Analysis: Looker Studio, Tableau
- Machine Learning / Deep Learning: PyTorch, TensorFlow
- Design: Figma, Adobe illustrator, Adobe Photoshop