Howard Lung Hao Tung

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EDUCATION

MS. Software Development   **Aug 2022 – Present**
University of Utah | School of Computing

BS. Information Communications   **Sep 2018 – June 2021**
Chinese Culture University | College of Journalism and Mass Communications   GPA: 3.75 / 4.0

Skills:

Programming:	Dart	Python	JSON	Javascript	C++	*Database:*	SQLite	Firestore	MySQL
Software:	Adobe Premier Pro	Adobe After Effects CC				*Framework & Tools:*	Flutter	Git	Figma

PROJECT

Game Application | Desktop   September 2022 – September 2022
- Worked closely with a teammate on designing a 2D game with C++ and SFML within a time span of 4 days.
- Demonstrated creativity, quick adaptability, and efficient communication skills throughout, implemented new ideas while maintaining an efficient workflow.

MovieAddict | Mobile App   June 2021 – December 2021
- Developed an innovative user interface movie application showcasing movie theater locations and movie playtimes and storing bookmarked info in Hive, a local database within Flutter framework.
- Utilized Figma to construct prototype, wireframe, and create the workflow.
- Programed the language with Dart using JSON as the output file of Movie-Web-Scraping and Flutter framework as the primary source.

Movie-Web-Scraping | Ouptput File   May 2021 – October 2021
- Captured data from the Taiwan Yahoo Movie website using Beautiful Soup in Python and transformed it into JSON format for the movie app.
- Around 150 movies were captured at the initial start, and the capability is subject to change based on how many movies are on the website at the given time.

GP – Capstone Project | Mobile App   October 2020 – May 2021
- Collaborated with 4 student researchers as the lead programmer and developed an application that helps students to find information regarding the graduation requirement (PCCU-Passport) efficiently.
- Utilized Flutter and SQLite as the local database; used ChromeDriver and Beautiful Soup in Python to capture .xlsx from the school website to convert to a clean .csv format and uploaded to Firebase.
- Designed the history function that allows users to record past activities and store photos, and the add-to-favorites function enables users to save preferred activities.

WORK EXPERIENCE

Lecturer | Codingapes School | Taipei, Taiwan   March 2021 – June 2021
Scratch Programming: AI Robotics
- Utilized Scratch visual programming language to teach AI Robotics to students aged 10 - 12.
- Illustrated AI automatic translating function of mBlock5 and instructed on entering color recognition programs to the coding robot Codey Rocky.