

Hsiang-Yuan (Shane) Chen

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EDUCATION

Kahlert School of Computing, University of Utah

Aug.2023 - Dec.2024(Expected)

Master of Software Development

Relevant courses: Data Structure and Algorithms, Computer Programming

College of Social Sciences, National Chengchi University

Sep.2016 - Jun.2020

Bachelor of Arts, Land Economics

PROJECTS

Squeezing Koopa & Goomba Game - UofU project

- Developed a 2D game using C++ with the **SFML** framework.
- Utilized **CMake** for project build and management
- Implemented **dynamic enemy generation**, when an enemy character was smashed, the game's logic automatically generated a new enemy, providing continuous gameplay challenges for users.
- Employed advanced **mathematical calculations** to determine contact and collapse interactions within the game, enhancing the realism and responsiveness of in-game collisions.

Temperature Record

- Developed a robust **RESTful API** for a Temperature Record application using **Python** and **Flask**, enabling users to create, read, update, and delete tasks efficiently.
- Implemented integration with a **PostgreSQL database**, effectively managing task data and ensuring persistent storage, showcasing proficiency in database interaction and management within the context of a web application.
- Utilized **Git** for collaborative development and successfully deployed the Temperature Record API on a development environment, gaining hands-on experience with **full-stack development**, API testing, and troubleshooting to enhance software engineering skills.

Animate Portfolio

- Designed and developed a personal portfolio website using **HTML** and **CSS**, emphasizing **animations** and **interactivity** to captivate visitors and leave a lasting impression.

WORK EXPERIENCE

Service Information Developer

Sep.2022 – July.2023

EIT Services Taiwan CO., Ltd. (DXC Taiwan) | Taipei City, Taiwan (R.O.C.)

- Provided solutions and recommendations to enhance business workflows in SAP S/4 Hana delivery and project maintenance.
- Designed specifications and developed SAP S/4 Hana Reports, Functions, and Enhancement Points.
- Optimized SQL queries to significantly enhance the searching speed of a database system.
- Constructed and maintained the inventory stock report using **SQL** and **Python**.

Consultant

Nov.2021 – Aug.2022

Ucan System CO., Ltd. | New Taipei City, Taiwan (R.O.C.)

- Provided solutions for issues within SAP S/4 Hana, specializing in the MM/CO module.
- Developed SAP S/4 Hana Reports, Functions, Enhancements, etc. using **ABAP**.
- Created an interface for seamless data exchange between WMS and SAP S/4 Hana.

SKILLS

Programming Languages: Python, SQL, Java, C++, ABAP

DBMS: PostgreSQL

Web: HTML, CSS, JavaScript

Framework & Tools: Flask, SFML, Git, GitHub, REST API, ElephantSQL, Insomnia