TSENG HUNG-YUAN

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EDUCATION

Bachelor of Computer Science, National Taipei University of Technology   Sep 2020 - Jun 2024

SKILL

- Experienced in Digital Signal Processing, Image Processing and Compression, Machine Learning, Database Design, Server Back-end Programming, Android
- Computer: C, Python, MATLAB, C++, Java, Node.js, SQL, C Sharp, PHP
- Language: Bilingual in Mandarin Chinese and English

DESIGN PROJECT

Massachusetts Institutes of Technology (MIT): City Science Lab @ Taipei Tech   Apr 2022 -

- Participating in "Cityscope", which is a project to visualize all the data of the city to the real-time maps, to help decision-making in urban planning, including the commuting flow of metro, transportation and population.
- Collecting MRT station flow data and designing databases with MySQL
- Supporting a server for clients to request and receive system services with Node.js as the main language and Express as the framework
- Developing GraphQL API instead of RESTful API in order to customize clients query data in the databases
- Designing a Web for users to visualize station flow data on map using React
- Running server and databases on Google Cloud Platform for researchers and users to access through Internet

Physiological Monitoring Computer Mouse   Sep 2021 -

- Achieved X% growth for XYZ using A, B, and C skills.
- Led XYZ which led to X% of improvement in ABC
- Developed XYZ that did A, B, and C using X, Y, and Z.

Physiological Monitoring Computer Mouse   Sep 2021 -

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