



陳薇如 Wei-Ju Chen

Software Engineer

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SKILL

- | | |
|------------------------------|-------------------------------------|
| ✓ Languages: Python, C++, C# | ✓ Version Control: Mercurial |
| ✓ Database: MySQL | ✓ Frameworks: Django REST framework |
| ✓ System: Linux | ✓ Others: Unity3D, OpenCV |

EMPLOYMENT HISTORY

Engineer Sep. 2017-Present

International Integrated Systems, Inc. Taipei. Taiwan.

Duties:

- Software design
- Software implementation (Python code)
- Data analysis
- Automatic data capture
- Database development and design (MySQL)
- Software maintenance and improvement

Achievements:

- Automatic data processing for Safe Ocean website (<https://ocean.cwb.gov.tw/V2/>) which is belong to the Marine Meteorology Center of the Central Weather Bureau, MOTC. The processing also provides data for Central Weather Bureau SAFE SEE website (<https://safesee.cwb.gov.tw/>), which was released in a press conference on September 20, 2019.
- Snapshots of wave height and water level monitoring chart and transfer chart to Central Weather Bureau, MOTC official website (https://www.cwb.gov.tw/V8/C/P/watch_waves.html) on a regular interval. If the value on the monitoring chart exceeds alter value, Central Weather Bureau will announce weather warning.
- Automatically import typhoon information during the typhoon warning period. Developing REST API with Python for providing Safe Ocean website dynamically show the latest news of typhoon.
- Dealing with second-level water level data for tsunami. Implement data quality control for controlling the usage of data. Providing Safe Ocean website dynamically show the latest news of water level for monitoring if tsunami is occurring or not.

EDUCATION HISTORY

Master of Computer Science & Engineering Sep. 2015-Jul. 2017

Yuan Ze University. Taoyuan, Taiwan.

Bachelor of Information Communication Sep. 2011-Jun. 2015

Yuan Ze University. Taoyuan, Taiwan.