

Suwen Jin

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Portfolio: shizukuyu.github.io

EDUCATION

- **University College Dublin** Dublin, Ireland
Master of Science, Computer Science Sep 2022 - Jan 2024
- **Xiamen University Tan Kah Kee College** Xiamen, China
Bachelor of Engineering, Environmental Science and Engineering Sep 2018 - Jun 2022
Gpa: 3.4/4.0 (Ranking: 18/192)

PROJECT

- NYC Travel Guide App** Jun 2023 - present
- Managed application deployment using Docker for seamless and efficient deployment process, ensuring high application availability and smooth updates.
 - Collected and preprocessed historical taxi data, optimizing data quality; Trained machine learning models (e.g., Linear Regression, Random Forest) to predict future taxi data.
 - Coordinated backend and frontend maintenance using Django and React, ensuring the application's robustness, responsiveness, and user experience were consistently optimized.
- Removal of NDMA from Water by UV-Advanced Oxidation Process** Jan 2021 - Apr 2022
- Utilizing SPE-HPLC to analyze components of solution which was processed by AOPs, Calculated the content of fixed components based on features of graphs.
 - Demonstrated skill in interpreting experimental data, enabling the identification of pseudo-first-order kinetics in chemical reactions.
- UAV-based waterbody image catching and water quality measurement** Jan 2021- Mar 2021
- Corrected the distortion and blurriness of photos using Digital Orthophoto Map technology, resulting in enhanced image quality for further analysis.
 - Demonstrated proficiency in data processing and analysis, facilitating the evaluation of water quality parameters for effective environmental monitoring and research.

EXPERIENCE

- **Genhouse Pharmaceutical Co., Ltd** Suzhou, China
Research & Development Intern Jan 2022 - Apr 2022
 - Worked within the Lab information management system (LIMS) to document maintenance, repairs and calibration of equipment.
 - Performed transformation experiments either for event generation or process improvement as planned by the team and document progress.
- **China Post** Suzhou, China
Data Analysis Intern Jun 2021 - Sep 2021
 - Built and maintained automatic reporting processes, creating reusable and scalable SQL scripts that improved operational efficiency by 40%.
 - Selected and analyzed data using Excel and SQL, effectively transforming the data into structured representations using graphs.

SKILLS SUMMARY

- **Languages:** Python, HTML, CSS, JavaScript, Java, L^AT_EX
- **Software:** Origin, MySQL, ArcGIS, AutoCAD, Matlab

PUBLICATIONS

Xiaosong Zha, **Suwen Jin**, Qian Zhao, Peinan Huang, et al.(2022). Study on removal of NDMA from water by UV-based advanced oxidation technology. *Water Treatment Technology*(09), 32-37.(in Chinese)