

Liu Zicheng

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Digital Portfolio:<https://yorhagengyue.github.io/Liu.github.io/index.html>

EDUCATION

Nanyang Polytechnic,Singapore

- Diploma in Common Engineering 2023 Sem1&2
- Diploma in AI & Data Engineering 2024 Sem1
- Diploma in Electronic & Computer Engineering 2024 Sem2 - Present
- Cumulative GPA: 3.52

Springfield Secondary School

2020 - 2022

- GCE 'O' Levels: L1R4 - 15
- Member of Student Council 2020 - 2022
- Singapore Mathematical Olympiad 2021 - 2022

INTERNSHIP EXPERIENCE

Platform Research and Development Internship

Holliot (Suzhou) Technology Co., Ltd

2024

Project: Intelligent Dosing Technology Empowering Large Water Treatment Plants

- Conducted data analysis and cleaning to process raw and incomplete data, ensuring accuracy for model building.
- Built and implemented data models to simulate and predict future water treatment dosing needs.
- Collaborated closely with a cross-functional team, including engineers and data scientists, to design and optimize intelligent control systems.
- Utilized advanced prediction algorithms to optimize dosing levels, reducing chemical waste and improving water quality stability.

Achievements:

- Reduced chemical usage by optimizing dosing strategies while maintaining water quality.
- Contributed to the implementation of emergency response measures, enhancing operational stability under extreme water conditions.
- Strengthened teamwork and problem-solving skills through effective collaboration on project development and implementation.

Skills Gained:

- Data modeling and predictive analysis.
- Python programming and algorithm optimization.
- Team collaboration, communication, and presentation skills.

VOLUNTEERING

RELAY FOR LIFE SINGAPORE: 100KM Challenge

2024

- Participate in a 100 km running challenge.
- Organizing DS Homestay participated in the volunteering.

Hobbies&INTERESTS

Music(Piano, Japanese/Hip Hop Music)

Sports(Badminton, Basketball, Pool)

SKILLS

Programming (Python, HTML/CSS, C#, C); **PCB Design** (Autodesk Eagle); **Practical skills** (Soldering); **Database** (SQL, Navicat); **Software**(Microsoft Office Suite); **Design**(PR, Photoshop).

LANGUAGES

Chinese(Native) **English**(Fluent)

REFERENCE

Mr. Weizhong Toh

Course Manager

School of Engineering, Nanyang Polytechnic

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