Tong Wu

🎓 M.Sc., Computer Science, University College Dublin

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Education

M.Sc. Computer Science, University College Dublin, Dublin, IE Sept 2022 - Dec 2023

```
Java Programming/Data Struc & Algorithms/Data Analytics/Information Visualization/Big Data/
Distributed Systems/Cloud Computing
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- GPA of 3.64 out of 4.2

B.Sc. Electrical Engineering & Automation, Henan Polytechnic University, Jiaozuo, CN Sept 2018 - Jun 2022

```
Advanced Mathematics/Probability & Statistics/Circuit Theory/Analog Electronics Technique/Digital
Electronic Technique/Embedded System/Signal and System/Power System Analysis
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- Graduate Project: Design of 110kV Substation Electrical Primary Side
- Outstanding Volunteer in Community Service
- Winner in Petanque Competition

Projects

Information Visualize,Distributed Healthy Management System, DHMS Dec2023 - Jan2024

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Distributed System Design/Docker/React/SpringBoot Java/RESTful API/Websocket
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- Design and Implement the information visualization
- Developed an interactive Dashboard in front-end via React
- Employ diverse protocols to establish connections with various microservices, ensuring efficient data exchange and integration

Back-end Leader, Find quiet places and roads for users in Manhattan, Zenzone Jun2023 - Aug2023

```
Python/Django/PostgreSQL/Github/Docker/Notion & Trello
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- Proficient in designing RESTful APIs and structuring databases using PostgreSQL
- Experienced in developing algorithms for optimal route determination from source to target points
- Skilled in Docker deployment for hosting projects on both UCD's server infrastructure and AWS cloud platform

Data Analyst, Use trained models to predict the usage of shared bikes, DublinBikes Mar2023 - May2023

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Python/Flask/MySQL/Github/Docker/AWS/Jupyter/Scikit-learn/Pandas/Numpy/Scrum
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- Proficient in creating Python scripts for data scraping from diverse sources
- Skilled in data manipulation and analysis using Pandas and NumPy within Jupyter.
- Experienced in leveraging the Scikit-learn library to build and fine-tune machine learning models, optimizing model accuracy

Certifications

- Amazon Certified Developer-Associate
- Amazon Certified Cloud Practitioner

Other Skills

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AWS Services, Cloud Deployment, Ruby, SpringBoot Java, Git, Docker, Linux CLI
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Languages

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Chinese (Native), English (Working proficiency)
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