



Yilin Jing

MSc Applied Computational Science & Engineering Student | AI Research Platform Developer | Serial Entrepreneur

✉ Imperial College London, Department of Earth Science & Engineering ☎ +44 07534809484 📩 yilin.jing.ai@outlook.com

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Summary

MSc student in Applied Computational Science & Engineering at Imperial College London with a focus on developing innovative AI solutions for scientific research. Currently developing an AI-powered automated research platform that addresses reproducibility challenges in computational science through containerization and AI assistance. Seeking to combine entrepreneurial vision with technical expertise to revolutionize how interdisciplinary research is conducted.

Experience

PAGEPEEK LTD

Product Manager & Project Lead

London, UK

September 2024 - February 2025

Led a cross-functional team of **6 developers** in developing an **AI-powered PPT generation platform**, focusing on *personalized presentation creation* through AI-generated styles.

WISUP AI LTD

Founder & Lead Developer

London, UK

2023-09 - Present

Founded **Wisup AI**, leading its development with registered entities in the UK and China. Specializes in *data processing tools* and **AI-driven research automation**. Created the E2M library, achieving over **1,000 GitHub stars**.

DTECHTIVE LIMITED

Data Scientist Full-time

Shelton, England, UK

September 2023 - March 2024

Led development of AI-powered data processing and visualization solutions.

DTECHTIVE LIMITED

Data Analyst Intern

Shelton, England, UK

June 2023 - August 2023

Developed data processing and analysis solutions for research papers.

Education

Imperial College London

Applied Computational Science and Engineering

MSc

2024-2025

Relevant Coursework: Machine Learning, Deep Learning, Data Science, Computational Mathematics

University of Sussex

Communications Engineering

First-Class Honours

BEng

2020-2024

Relevant Coursework: Advanced Mathematics, Signal Processing, Machine Learning, Data Structures

Projects

E2M (Everything to Markdown)

Created an open-source Python library that converts various file types (doc, docx, epub, html, pdf, ppt, pptsx, mp3, m4a) into Markdown format. The project has gained over 1,000 stars on GitHub and is widely used for preparing data for Retrieval-Augmented Generation (RAG) and model training.

2024-06 - 2024-09

An open-source Python library for converting various file types to Markdown format with over 1,000 GitHub stars.

Python, Markdown, Document Conversion, LLM Data Preparation, API Development, Docker

🔗 [E2M GitHub Repository](#)

AI-Powered Presentation Generation Platform

Developed an innovative platform that leverages AI to automatically generate and customize PowerPoint presentations. The system utilizes LLMs and AI agents for content generation and styling, while implementing advanced CSS and frontend technologies for precise visual customization.

2024-09 - 2025-02

An AI-powered platform that automates PowerPoint presentation creation with personalized styling and content generation capabilities.

LLMs, AI Agents, Frontend Development, CSS, PowerPoint Generation, UI/UX Design

Skills

Programming Languages

Python, JavaScript, C++, Shell Scripting

Technologies

Docker, Nix, Git, Cloud Computing (AWS/GCP), LLMs, API Integration

Research Skills

Experimental Design, Data Analysis, Scientific Writing, Reproducible Research Practices

Research Interests

AI for Scientific Research

LLMs in Research, Automated Experimentation, Research Reproducibility

Computational Science

Scientific Computing, Simulation, High Performance Computing

Publications

Nanolayered graphene-based tunable terahertz metasurfaces as polarization converters and beam deflectors

IEEE Conference on Telecommunications, Optics and Computer Science (TOCS)

2022

Research on tunable terahertz metasurfaces using graphene for polarization conversion and beam deflection applications. DOI: 10.1109/TOCS56154.2022.10016121

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Languages

English

Professional

Chinese

Native

