

# Yilin Jing



MSc Applied Computational Science & Engineering Student | AI Research Platform

Developer | Serial Entrepreneur

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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

September 2024 - February 2025

Product Manager & Project Lead

London, UK

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

2023-09 - Present

Founder & Lead Developer

London, UK

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

September 2023 - March 2024

Data Scientist Full-time

Shelton, England, UK

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

### DTECHTIVE LIMITED

June 2023 - August 2023

Data Analyst Intern

Shelton, England, UK

Developed data processing and analysis solutions for research papers.

## Education

### Imperial College London

2024-2025

Applied Computational Science and Engineering

MSc

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

### University of Sussex

2020-2024

Communications Engineering

BEng

First-Class Honours

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

## Projects

### E2M (Everything to Markdown)

2024-06 - 2024-09

Created an open-source Python library that converts various file types (doc, docx, epub, html, pdf, ppt, pptx, 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.

↗ [E2M GitHub Repository](#)

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

### AI-Powered Presentation Generation Platform

2024-09 - 2025-02

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.

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 2022

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

↗ [View on IEEE Xplore](#)

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

### Languages

#### English

Professional



#### Chinese

Native

