CHENYANG ZHAO

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EDUCATION

Imperial College London — October 2022 - Present
BSc in Mathematics — *London, United Kingdom*

· Notable first year modules include:
Linear Algebra and Groups: 71.07, Calculus and Applications: 68.88, Analysis: 65.72, Introduction to Applied Mathematics: 65.31, Individual Research Project: 63.00, Introduction to Computation: 62.00.

North American International School (Shanghai) — September 2020 - June 2022
A-levels — *Shanghai, China*

· Mathematics, Further Mathematics and Physics: 3A*. Science society(President).

EXPERIENCE

Online Courses — October 2022 - Present
MIT Open Courseware, Coursera, etc — *Online*

· Taking online courses in my spare time including:
Modern Algebra, Python 3, Cryptography 1 (Ongoing), Algebraic Geometry (Ongoing).

Arabic Study — March 2023 - Present
Self study of Arabic — *Online, Travelling*

· Studying Arabic language by myself and reached the intermediate level.
· Solo travelled to the Middle East (3 months) to practice Arabic and blogged my travels.

IELTS and Maths Private Tutor — October 2022 - Present
Teach high school students in China IELTS and Maths — *Online*

· Privately tutored several high school students in Mathematics and IELTS language exam.

PROJECTS

First Year Individual Research — May-June 2023
Phase transition in one and two dimension Ising model — *Imperial College London*

· Independently researched the mathematics behind Ising Model.
· Performed a poster presentation about:
-Introduce the basic Knowledge about Ising Model and the related maths knowledge.
-Explain the reason why there is no phase transition in 1-D Ising Model in a mathematical way.
-Explain the reason why there is a phase transition in 2-D Ising Model in a mathematical way.

Personal Website (Ongoing) — October 2022 - Present
https://chenyangzhaoicl.github.io/ — *Online*

· Self studying Web programming and content creating

TECHNICAL SKILLS

Technical Skills	Python, R, Latex, HTML5, CSS, Markdown
Software	Microsoft Excel & Powerpoint, Git, Wolfram Mathematica, VScode, Citespace

INTERESTS

Pure Mathematics   Mathematical Physics   Cryptography   Languages
Travel & Photography: Solo backpacked 40+ countries.