# Jiaming ZHANG

Address: Flat 4, 53 Queen's Gate, London

Email: Jiaming.zhang@bath.edu          Tel +44 7479 680626

## PERSONAL PROFILE

Solid performing Math undergraduate from the University of Bath. Strong quantitative skills supplemented by high-profile internships. Fast to react and open-minded, a great team player and coordinator, savvy with advanced digital tools for statistical analysis purposes.

## EDUCATION

01/10/2022-01/10/2023          Imperial College London

*MRes AI and Machine Learning*

*Project title: Switching dynamics for modelling irregular time series. Supervised by Yingzhen Li.*

13/09/2021-02/09/2022          The University of Edinburgh

*MSc Computational Applied Mathematics*

*Overall Average: Merit(77.9)*

Modules: Applied Stochastic Differential Equations, Numerical Linear Algebra, Fundamentals of Optimization, Python programming, Introductory Probability and Statistics, Biomedical Data Science, Numerical Ordinary Differential Equations and Applications, Applied Dynamical Systems, Machine Learning in Python, Numerical Partial Differential Equations and Research skills for Computational applied math.

*Dissertation: Can we do something useful with a Koopman decomposition? Supervised by Jacob Page.*

01/10/2018-29/06/2021          University of Bath

*BSc (Hons) Mathematical Sciences (Second-class Honours First Division)*

*Overall Average: 65.74*

Modules: Algebra, Analysis, Probability and Statistics, Programming and Discrete Mathematics, Numerical Analysis, Ordinary Differential Equations and Control, Modelling and Dynamical System, Vector Calculus and Partial Differential Equations, Mathematical Methods, Linear Control Theory, Mathematical Biology, Dynamics and Chaos, Optimisation Methods of Operational Research, Cryptography, Introduction to Topology, Optimal Control, Graphs and Networks: Theory and Applications

2016-2018          St Edmunds School Canterbury

*A-Levels: Mathematics A\*, Further Mathematics A, Physics C, Chinese A.*

- Won back-to-back Gold medals at the UKMT maths challenge for four years.

2014-2016          Beechwood Sacred Heart School

*GCSEs: 11 GCSEs with 5 A\* and 6 A, including Maths and Science. English language B.*

- Merit winner of 2015 Intermediate Mathematical Olympiad and Kangaroo Contest.

# PROFESSIONAL EXPERIENCE

04/2021-08/2021             Beijing Star Gravity Information Technology Co., LTD
Teaching and Research Intern
- Developed well-designed cases for teaching and studies.
- Participated in idea generations for content, conducted writing-required reference research, and delivered quality writing pieces.
- Involved in teaching and research training activities, responsible for information collected for research purposes.

07/2020-08/2020             ARCCELL Design and Consulting Co., Ltd
Assistant Data Analyst
- Assisted in handling the company's primary data collection and statistical calculation workflow.
- Used data processing software extensively and built multiple large spreadsheets.
- Familiar with data interpreting, analysis, visualisation and comprehensive report productions.

06/2017-09/2017             China Academy of Sciences (CAS)
Research Intern
- Worked as a trainee researcher with a group of Mathematics PhD students on several demanding projects.
- Decentralised PID control of multi-agent systems with non-linear uncertain dynamics.
- Assisted in the translation of academic material between English and Chinese.
- Enhanced mathematical skills and usage of advanced analytical software.

# KEY SKILLS
- Technical: MATLAB, Python, R studio, Latex. Advanced user of MS Office suite
- Language: Fluent in English and Mandarin. Japanese (beginner level)
- Interpersonal: Trained public speaker, debating experience, and a great listener.

# PERSONAL INTERESTS
- Swimming – Regularly swims long distances for aerobic exercise.
- Travelling – Keen tourist and adventurer, enjoys learning through exploration.
- Culture Activities – Embraces diversity and loves meeting people with different opinions.
- Accounting – Consistently helped with the family business bookkeeping and operations.