

# Ziming Arthur Wang

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## Education

### Imperial College London

*MSc in Mathematics and Finance, Distinction expected*

Relevant coursework: Quantitative Risk Management, Statistical Models in Finance, Data Analysis and Machine Learning, Computing in C++, Algorithmic Trading and Machine Learning, Stochastic Process, Stochastic Calculus, Numerical Methods in Finance, Convex Optimisation, Simulation Methods in Finance, Interest Rate Model, Stochastic Differential Equation, Advanced Methods in Derivative Pricing

London, UK

2017–Current

### University of Cambridge, St John's College

*B.A. Hons in Mathematics, GPA: 3.8 equivalent*

Relevant coursework: Statistical Modelling, Principles of Statistics, Stochastic Financial Models, Operational Research, Numerical Analysis, Applied Probability, Survival Data Analysis, Asymptotic Methods, Dynamical Systems, Probability and Measure, Statistical Physics, Mathematical Biology

Cambridge, UK

2014–2017

### Ruthin School

*A-Levels, UCAS points: 740*

Mathematics(A\*), Further Mathematics(A\*), Physics(A\*), Chemistry(A\*), Additional Further Mathematics(A), Chinese(A)

Ruthin, UK

2012–2014

## Experience

### Citadel LLC

*Citadel UK Datathon Participant*

- Manipulated large datasets and conducted exploratory data analysis and visualisation with Python/MATLAB/R
- Feature selection with linear regression, correlation and random forest

Oxford UK

Oct 2017–Nov 2017

### Aurora Energy Research

*Quantitative Analyst Intern*

- Transformed the existing UK energy models from Stata to Python and built new models for demand and inter-connector
- Created a detailed model of UK energy commodity price sampling and implemented the model using R and SQL

Oxford UK

Jun 2017–Sep 2017

### Cambridge Centre for Alternative Finance

*Research Assistant*

- Engaged with the Alternative Finance sector to understand technological innovation, industry and capital trends
- Key research findings contributed to a joint project with World Bank Group

Cambridge UK

Jan 2017–Apr 2017

### Cambridge Consulting Network

*Consultant*

- Developed an early warning system for project delays by analysing client history data and identified KPIs using statistical methods
- Drafted and delivered the final presentation to Jaguar Land Rover seniors

Cambridge UK

Oct 2016–Jan 2017

## Relevant Skills

**Python:** 3 years experience. Proficient with NumPy, scikit-learn, Pandas, SciPy

**MATLAB:** 3 years experience and 8 academic projects at Cambridge

**R:** 2 years experience and 3 academic projects at Imperial

**SQL:** Proficient in querying and integration with Python and R

**C++:** MSc module, numerical implementation and simulation

## Leadership

### Imperial College London, MSc Mathematics and Finance Academic Representative

Oct 2017–Current

- Collated feedback from students, attended Staff-Student Committees and proactively communicated with constituents

### St John's College Cambridge Adams Society, President

Apr 2015–Apr 2017

- Headed committee in the organisation of university-wide mathematical talks and secured external sponsorships of £2,200

### Bristol Engineering Mathematics Challenge, Academic Director

Jun 2013–Feb 2014

- 2<sup>nd</sup> place in the competition for real-life car parking modelling and optimisation

## Awards and Achievements

**International Mathematics Competition:** Bronze medal, UK top 4

Aug 2017

**UKMT Senior Mathematical Challenge:** Gold medal and perfect score

Oct 2013&2012

**International Chemistry Olympiad(UK Round):** Gold medal, top 5% score

Feb 2013

**British Mathematics Olympiad:** Silver medal, ranked 29<sup>th</sup> in the UK

Dec 2012

## Scholarships

**St John's College Cambridge:** Research Grants for Mathematics and Machine Learning

2015–2017

**University of Cambridge:** Cambridge Overseas Trust Scholarship

2014–2017

**Ruthin School:** Ruthinian Admission Scholarship

2012–2014