

# Michael Rozanov

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## EDUCATION

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### BSc (Hons) Mathematical Sciences, University of Bath, Bath

October 2017 – June 2020

Modules: - Artificial Intelligence 76% - Graphs and Networks: Theory and Applications 73%  
- Programming and Discrete Mathematics 72% - Functional Programming 68%  
- Vibrations, Waves & Optics 65% - Methods and Applications 63%

Projects: - Designed and implemented a Sudoku solver & spam filter in Python.  
- Investigated credit contagion risk in mathematical models of the interbank lending network.  
- Created and analysed a suitable mathematical model for the virus spread in the population.  
- Statistical analysis on how different vehicle types contribute to NO<sub>2</sub> levels for a proposed Clean Air Zone in Bath.  
- Group statistical report in differences between road traffic accidents in 20/30mph speed limit areas nationally.  
- Group statistical report exploring causes of the gender pay gap.

Activities: Achieved 9<sup>th</sup> in the BUCS Men's Novice Barebow Indoor Archery Championships 2018 (Southern); member of the Archery Club, Motorcycle Club and the Vegetarian Society

### A Levels, Paddington Academy, London

September 2015 – June 2017

Subjects: Maths A\*, Further Maths A\*, Russian A\*, Physics A

Award: Took part in the UK Senior Maths Challenge twice, achieved 1 Silver (2015) and 1 Bronze (2016) certificates

Activities: Participated in the Insight Day event at EY's London Office (in association with Teach First) in 2016; selected to participate in the UCL Maths Summer School and Mathematics Masterclasses at Greenwich University in 2016

### GCSEs, Holland Park School, London

April 2014 – June 2015

Result: A\* - C

Activity: volunteered as a tutor to teach GCSE Maths to students

### Russian GCSEs, Russian Embassy School, London

January 2013 – June 2014

Result: 5 - 4 (highest possible: 5)

Activities: utilised my excellent IT skills and developed a [website](#) about Sherlock Holmes for an annual international conference among Russian Embassy schools all over the world; participated in the International Mathematical Kangaroo Olympiad in 2013

## EXPERIENCES

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### Team Guide for Russia, International Mathematical Olympiad 2019 (IMO 2019), Bath

July 2019

- Provided pastoral support for six Russian contestants and facilitated the leaders and observers during the event.
- Managed an emergency budget of £50 provided by the organiser to the team.
- Utilised good communication and interpersonal skills, and interpreted between English and Russian accurately for the team.
- Prioritised daily tasks given and showed strong multitasking skills by ensuring the Russian delegates had a pleasant experience at IMO 2019.

### Marshal, Rough Runner, London

September 2017

- Worked as a team to monitor the obstacles, explained the rules to the participants in detail, and made sure that the runners were safe in the challenge.

### Fundraising Volunteer, MediCinema, London

May 2014

- Created a fundraising page online and cycled in Wales for charity.

## SKILLS

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**Languages:** Russian (native), English (near-native), Spanish (basic)

**IT proficiency:** Excel, Word, PowerPoint, Adobe Photoshop and Lightroom, Website Development

**Programming languages:** MATLAB, RStudio, Haskell, Java, Python (Jupyter Notebook), HTML, Kumir

**Website development:** [Personal Photography Portfolio](#), [Personal Home Page](#)