

## Stefan Ivanov

Sofia, Bulgaria

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## Education

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### University of Cambridge (Gonville & Caius College)

10.2019 – 06.2023

*MSci in Natural Sciences*

*Class I (87%, Rank 8/102)*

Dissertation: Black holes in a new relativistic theory for modified Newtonian dynamics;  
Supervised by Dr Will Barker and Dr Amel Durakovic

MSci courses: RAC, PEP, BP / ASM, FSU, EXO / GPP

BA courses: Physics, Mathematics, Materials Science, Earth Sciences

### Acad. Nikola Obreshkov High School, Burgas

09.2011 – 06.2019

*High School Diploma*

*Grade 5.99/6.00*

Main modules: Mathematics, Natural Sciences, English, Russian

## Work Experience

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### Sofia Mathematics High School

10.2023 –

Physics teacher to about 200 students, aged 13 to 19, in Bulgaria's most prestigious high school. I lead extracurricular classes where I provide training for physics competitions and advise on university admissions.

### Freelance Teaching in Physics and Astronomy

09.2015 –

I teach using original materials, from secondary school to second year university, with >700<sup>h</sup> of lecturing. Four students at International Science Olympiads.

## Personal Skills

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Languages: English (proficient), Russian (conversational), Bulgarian (native)

Computing: git, bash, Mathematica, MATLAB,  $\LaTeX$

Programming: C++, Python

## Outreach

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### High School Physics Competitions

05.2019 –

I manage Burgas Challenge, the largest online Maths & Physics competition in Bulgaria. I've served as a team leader for Bulgaria at various International Science Olympiads since 2022.

### 4 Invited Talks

01.2020 –

Popular science at regional forums. I have lectured on electronic circuits, photometry, undergraduate degrees in physics, and the scientific mindset.

## Selected Awards

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BP Nevill Mott prize for best theoretical physics project, University of Cambridge	2023
Senior scholarship, Gonville & Caius College	2021
Silver medal, International Geography Olympiad	2019
Gold medal, International Olympiad on Astronomy and Astrophysics	2017, 2018, 2019
Silver medal, European Physics Olympiad	2018
Gold medal, International Astronomy Olympiad	2015