

# L. C. FILIPOVICH

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## EDUCATION

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### Imperial College London

September 2019 - *present*

*Undergraduate Degree*

Studying for MSci in Physics With Theoretical Physics

Department of Physics, Royal College of Science Union (First Year Grade: *1st Class*)

### The Palmer Academy

September 2012 - July 2019

*Secondary and High School Studies*

- **A-levels** acquired in Mathematics (A\*), Further Mathematics (A\*), Physics (A\*) and Chemistry (A\*) - highest possible grade in all subjects. Grades obtained August 2019.
- **FSMQ**, Free Standing Mathematics Qualification, A grade (top grade) in additional maths obtained in August 2017.
- **GCSEs**, 6 A\*s and 3 As obtained in all subjects including triple science including a top 2% grade in mathematics (level 9 - A\* equivalent). Grades acquired August 2017

## EXPERIENCE

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### Lecturers and Educations Officer

August 2020 - July 2021

*Imperial College London*

- Responsible for organising lectures for professional resarchers inside and outside of the department of physics.
- Organised a joint conference with Imperial, UCL and Oxford University on high energy physics.

### Space Physics Research

October 2017 - March 2018

*Queen Mary University London*

- Individually carried out an investigation into Magnetospheric Undulations in the Earth's magnetic field
- Developed an algorithm to find similar signals in data from satellites which measured changes in the magnetic field due to solar wind.

### Summer School

July 2018

*University of Oxford*

- Participated in competitive UNIQ summer school with the Oxford Department of Physics.
- Investigated the concept of neutrino oscillations and delivered a presentation, with feedback from field experts.

### Mathematics Competition

November 2017

*University of York*

- Participated in the UKMT national mathematics competition organised by the Univerisity of York, achieved Gold award.

## TECHNICAL SKILLS

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### Spoken Languages

English and French

### Computer Languages

Python, LaTeX, HTML (Learning: MATLAB, Java)

### Mathematical Skills

Multivariable Calculus, Fourier Analysis, Real Analysis, Discrete Mathematics,  
Linear Algebra, Statistics

### Core Courses

Classical Mechanics, Quantum Mechanics, Thermodynamics, Statistical Mechanics,  
Special Relativity, Electromagnetism

## VOLUNTEERING

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### Church Financier

July 2011-September 2019

*St Catherine of Sienna Parish*

- Volunteered at my local church and was entrusted to count the money and organise the church's finance. Every two weeks, I would account for the various sources of income for the church to maintain profit over time.

### Maths Tutor

September 2017 - May 2019

*The Palmer Academy*

- Tutored disadvantaged and under achieving students in the school.