

# MIIKA RANKAVIITA

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## EDUCATION

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### **Aalto University**

Doctor of Science (Technology)

Thesis topic: Severi stratification and Hilbert schemes

Supervisor: Professor Oscar Kivinen

*August 2024 –*

### **Imperial College London**

MSci in Mathematics

First Class Honours

Overall mark: 79.62

Thesis title: Mori's Technique – Exploring Hidden Gems in Birational Geometry

Supervisor: Professor Paolo Cascini

*October 2020 – June 2024*

### **Vaasan Lyseon Lukio**

Matriculation Exam grades: LLLLEM

*August 2016 – June 2019*

## EXPERIENCE

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### **Imperial College London**

*Tutor*

*October 2023 – April 2024*

*London, UK*

- Led a weekly tutor group meeting consisting of 6 first-year students
- Prepared problems for each tutorial, and answered the students' questions

### **Imperial College London**

*Intern*

*July 2022 – September 2022*

*London, UK*

- Did an internship as a part of the Undergraduate Research Opportunities Programme (UROP)
- Wrote an expository article on sheaf cohomology and the classification of algebraic curves
- Supervisor: Professor Johannes Nicaise

## TEACHING AND OUTREACH

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### **Algebraic Geometry**

*September 2025 – December 2025*

- Worked as the Teaching Assistant on a course taught by Professor Kivinen

### **Math Camp**

*October 2025*

- Volunteered on a camp aimed for upper-secondary school students
- Wrote a [report in my blog](#) on the activity I designed

### **Differential and integral calculus II**

*January 2024 – February 2024*

- Worked as the Head Teaching Assistant on a calculus course for engineering students

### **Social Accountability Course**

*January 2022 – April 2022*

- Took part in a course that involved designing classroom activities for secondary school students

## LANGUAGES

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<b>Finnish</b>	Native
<b>English</b>	Fluent
<b>Swedish</b>	Basic
<b>French</b>	Basic