

KALLE HEINONEN

00530 ◇ Helsinki

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PERSONAL DETAILS

Mathematics master's student in the study track of geometry, algebra and topology.

EDUCATION

Bachelor of Science in Mathematics , University of Helsinki	2020 - 2023 completed
Minor in Computer science	
Master of Philosophy in Mathematics , University of Helsinki	2023-2024 to be completed

SKILLS

Technical Skills	Problem solving, LaTeX, Python, Haskell, basics of Matlab, R and SQL.
Mathematics knowledge	Mainly around fields such as topology, abstract algebra, modern geometry and some topics in analysis.
Computer science knowledge	The basic minor studies such as python programming, computer organization, algorithms and databases. Additionally functional programming in Haskell
Languages	Finnish: Native, English: Full professional proficiency.

EXPERIENCE

Solvery tutor University of Helsinki	Oct 2021 - Dec 2021
<ul style="list-style-type: none">I was tutoring students in Solvery. Solvery is a place where university students get help in mathematics problems.	
Course assistant (Academic skills in mathematics / MAT20005) University of Helsinki	Sep 2022 - Dec 2022
<ul style="list-style-type: none">Teaching freshman students skills such as mathematical writing and reading.	
Course assistant (Algebraic structures I and II / MAT21010 and MAT21011) University of Helsinki	Jan 2023 - May 2023
<ul style="list-style-type: none">Teaching, marking homework and exams.	
Course assistant (Functional analysis I and II / MAST30170 and MAST30171) University of Helsinki	Sep 2023 - Dec 2023
<ul style="list-style-type: none">Teaching, marking homework and exams.	

OTHER ACADEMIC ACTIVITIES

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| • Vice student representative of bachelor's program in mathematics at University of Helsinki. | 2023 |
| • Vice member of the HYY¹ representative council. | 2022-2024 |
| • Multiple responsibilities including the board in Matrix Ry 2 . | 2021-2023 |
| • Multiple responsibilities in University of Helsinki student nation Hämäläis-Osakunta. | 2021-2023 |

¹Student union of the University of Helsinki

²Mathematics student organization in University of Helsinki