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# Curriculum vitae

Julian Lyczak was born in Alphen aan den Rijn in The Netherlands on the 5th of August 1988. After completing his secondary education at the Groene Hart Lyceum in 2006 he chose to combine his studies in mathematics at Utrecht University with physics and astronomy. He completed both bachelor programs in 2011 after which he decided to shift his focus entirely to mathematics. He successfully defended his Master's thesis at the end of 2014. Next he started his doctorate in Leiden under the supervision of dr. Martin Bright. The result of this research is the thesis you are currently reading.

For his Bachelor's, Master's and PhD degree Julian wrote consecutive theses in the fields of algebraic topology, algebraic geometry and arithmetic geometry. He has continued his mathematical journey in number theory by starting a postdoctoral research position at the Institute for Science and Technology Austria near Vienna in the group of prof. dr. Tim Browning.

Julian has been active with mathematical competitions for both high school and university students first as a student and later as trainer and team leader. As a student he won the Dutch National Mathematical Olympiad in 2005 and represented the Netherlands at the International Mathematical Olympiad in 2006 in Ljubljana, Slovenia. While at university he won several prizes at different international mathematical contests. As a team leader he trained and accompanied students to such contests all over the world. A personal highlight occurred in 2016 when he was the Team Leader of the dutch delegation at the International Mathematical Olympiad in Hong Kong.

Besides his mathematical interests Julian also plays the trombone and related instruments. A personal favourite being the bass trumpet.



