Viktor Frederik Majewski

Homepage **https://viktormajewski.github.io/index.html**   *Curriculum Vitae*

Education

2026–2028	**Postdoctoral Researcher**, *University of Waterloo*, Waterloo, affiliated with Prof. Spiro Karigiannis
Oct.–Dec. 2025	**Research Stay**, *University of Hamburg*, Hamburg, invited by Prof. Shubham Dwivedi
Aug.–Nov. 2024	**Research Stay**, *Simons Laufer Mathematical Science Institute (MSRI)*, Berkeley, invited by Prof. Jason Lotay **Semester Program:** Special Geometric Structures and Analysis
2022–2025	**PhD in Mathematics (summa cum laude)**, *Humboldt-University*, Berlin, supervised by Prof. Thomas **Title:** Dirac Operators on Orbifold Resolutions and their Application to the Construction of Exceptional Holonomy Metrics
2019–2022	**Master of Science Mathematics (with distinction)**, *Georg-August-University*, Göttingen, supervised by Prof. Victor Pidstrygach **Title:** Topologically Twisted Super Field and Generalised Seiberg-Witten Theories
2017–2019	**Bachelor of Science Mathematics**, *Georg-August-University*, Göttingen, supervised by Prof. Victor Pidstrygach **Title:** Hyperkähler Geometry of Nilpotent Lie Groups and Twistor Spaces
2016–2021	**Bachelor of Science Physics**, *Georg-August-University*, Göttingen, supervised by Prof. Dorothea Bahns **Title:** $\mathcal{N} = 4$ Super Yang-Mills Theory as a Super Twistor String Theory

Fellowship

2022–2025	**BMS Scholarship Recipient**, *Berlin Mathematical School*, Berlin

Teaching

2026	**Lecturer**, *UC Waterloo*, Waterloo ON MATH 136: Linear Algebra 1 for Honours Mathematics
2021	**Teaching Assistant**, *Georg-August-University*, Göttingen *Mathematics for Physicists II* by Prof. Dr. Ralf Meyer
2020–2021	**Teaching Assistant**, *Georg-August-University*, Göttingen *Differential Geometry and Gauge Theory I* by Prof. Dr. Victor Pidstrygach
2020	**Teaching Assistant**, *Georg-August-University*, Göttingen *Analysis II* by Prof. Dr. Dorothea Bahns
2019–2020	**Teaching Assistant**, *Georg-August-University*, Göttingen *Analysis I* by Prof. Dr. Dorothea Bahns

Publications and Preprints

| 2025 | **Dirac Operators on Orbifold Resolutions: Uniform Elliptic Theory**, *arXiv:2503.08395* |
| 2025 | **Spin(7)-Orbifold Resolutions**, *arXiv:2509.16057* |

Social Engagement

| 2022–2023 | **Student Representative**, *Berlin Mathematical School*, Berlin |

Invited Talks

Nov. 2025	**Sapienza-Università di Roma**, *Spin(7)-Orbifold Resolutions*
Nov. 2025	**Christian-Albrechts-Universität Kiel**, *Spin(7)-Orbifold Resolutions*
Nov. 2025	**Universität Hamburg**, *Spin(7)-Orbifold Resolutions*
Oct. 2025	**Université Libre de Bruxelles**, *Spin(7)-Orbifold Resolutions*
Mai. 2025	**University of Regensburg**, *Dirac Operators on Orbifold Resolutions*
Apr. 2025	**University of Stony Brook**, *Dirac Operators on Orbifold Resolutions*
Dec. 2024	**Georg-August University Göttingen**, *Spin(7)-Orbifold Resolutions*
Oct. 2024	**University Waterloo**, *Spin(7)-Orbifold Resolutions*
Oct. 2024	**Simons Laufer Mathematical Sciences Institute (MSRI)**, *Dirac Operators on Orbifold Resolutions*
May 2024	**Duke University**, *Spin(7)-Orbifold Resolutions*, Simons Collaboration on Special Holonomy in Geometry, Analysis and Physics-Meeting
Feb. 2024	**Technical University of Berlin**, *Spin(7)-Orbifold Resolutions*, BMS Student Conference

References

Prof. Dr. Thomas Walpuski (PhD Supervisor), *Humboldt University of Berlin*, thomas.walpuski@hu-berlin.de

Prof. Dr. Jason Lotay, *University of Oxford*, jason.lotay@maths.ox.ac.uk

Prof. Dr. Spiro Karigiannis, *University of Waterloo*, karigiannis@uwaterloo.ca

Prof. Dr. Victor Pidstrygach (Master/Bachelor Supervisor), *Georg-August-University Göttingen*, Victor.Pidstrygach@mathematik.uni-goettingen.de