

# Jonathan Clivio

## Education

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<b>University of Copenhagen</b> <i>PhD in Mathematics</i>	09/2023 – Copenhagen, Denmark
<b>ETH Zurich</b> <i>Master of Science in Mathematics</i>	09/2021 – 03/2023 Zurich, Switzerland
<b>ETH Zurich</b> <i>Bachelor of Science in Mathematics</i>	09/2018 – 09/2021 Zurich, Switzerland
<b>Imperial College London</b> <i>Exchange Year</i>	09/2020–07/2021 London, England
<b>Realgymnasium Zurich</b> <i>Bilingual Swiss Matura and IB-Degree (International Baccalaureate)</i>	08/2012–07/2018 Zurich Switzerland

## Preprints & Publications

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<b>Graded Frobenius Algebras</b> <i>The Quarterly Journal of Mathematics</i>	2025 haaf029
<b>The Goresky-Hingston Coproduct in Morse Homology with DG Coefficients</b> <i>arXiv</i>	preprint 2025 2510.23818
<b>The Goresky-Hingston Coproduct on the Based Loop Space</b> <i>arXiv</i>	preprint 2025 arXiv:2510.23812

## Teaching Experience

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<b>Teaching Assistant</b> <i>University of Copenhagen</i> <ul style="list-style-type: none"><li>• Algebraic Topology 1, Block 1 2025</li><li>• Algebra 3, Block 1 2024</li><li>• Algebraic Geometry 1, Block 4 2024</li></ul>	09/2023 – Copenhagen, Denmark
<b>Teaching Assistant</b> <i>ETH Zurich</i> <ul style="list-style-type: none"><li>• Algebra I, Autumn Semester 2022</li><li>• Linear Algebra II, Spring Semester 2022</li><li>• Linear Algebra I, Autumn Semester 2021</li><li>• Numerical Analysis I, Spring Semester 2020</li></ul>	02/2020 – 12/2022 Zurich, Switzerland

## Posters & Talks

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<b>The String Coproduct on the Based Loop Space</b> <i>Gong Show Talk</i>	Nancy Hingston Celebration 2025 Copenhagen, Denmark
<b>Graded Frobenius Algebras and Graph Complexes</b> <i>Poster</i>	YTM 2024 Münster, Germany

## Conference Organization

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<b>Cobordism Categories: Building bridges between algebra and geometry</b> <i>with Branko Juran, Fadi Mezher, Azélie Picot, Nathalie Wahl, Adela Zhang</i>	February 2024
<b>Infinity Operads and Manifolds</b> <i>with Isaac Moselle, Azélie Picot, Jan Steinebrunner and Nathalie Wahl</i>	August 2024

### *Awards & Honors*

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#### **VMP-Teaching Assitant Award**

*ETH Zurich, VMP, D-MATH & D-PHYS*

- Spring Semester 2022
- Autumn Semester 2022

#### **Master "mit Auszeichnung" (with distinction)**

*ETH Zurich*

#### **Bachelor "mit Auszeichnung" (with distinction)**

*ETH Zurich*

### *Specialized Skills*

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**Language Skills:** German (native), English (oral and written proficiency), Italian (simple conversational skills, reading and listening Comprehension), French (simple conversational skills, reading and listening comprehension), Danish (simple conversational skills, reading and listening comprehension)

**Programming Languages:**  $\LaTeX$  (comfortable), Python (intermediate), C++ (intermediate), MATLAB (intermediate)