# Theo Braune
*Curriculum Vitae*

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🌐 *theofbraune.github.io/blog*



## Education

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| Current | **PhD in Computer Science in the Geomerix team in LIX**, *IP-Paris/ École Polytechnique/ Inria, Palaiseau,* |
| Current | **Master in Mathematics**, *Technical University Berlin, Berlin,* |
| 2022 | **Master 2 in Computer Science**, Institut Polytechnique in Computer Science on the topic "Interaction, Graphics, Design", Palaiseau |
| 2020-2021 | **Master 1 in Mathematics**, *École Normale Superieure , Paris* |
| 2017-2020 | **Bachelor Studies in Mathematics**, *Technical University Berlin, Berlin,* |
| 2016-2017 | **Pre-Bachelor studies in Mathematics**, *Technical University Berlin, Berlin* |

## Scholastic and Curricular Achievements

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| Current | Scholar of the **German Academic Scholarship Foundation** |
| 2022 | Participation in the *International Cyber Security Summer School* in The Hague |
| 2021 | Admission to the PhD-Track Computer Science of the Institut Polytechnique |
| 2020 | Bachelor price of the Berlin Mathematical Society for outstanding results in the the Bachelor studies. |
| 2017 | Price from the physical society of Berlin for outstanding A-Level results in physics. |
| 2016 | Participant of the German Student Academy in the course: *"Let there be light: Mathematical simulation of physical systems"*. |

## Professional experience

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| 2022 | Research internship at the École Polytechnique LIX/Inria-Saclay under the supervision of Mathieu Desbrun on Geometry Processing |
| 2020-2021 | "Atelier Mathématiques pour l'entreprise". As part of the ENS, three of us are working with the online shop for organic food "Greenweez" to develop algorithms to save packaging material during shipping. |

## Teaching assistant experience

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| Summer term 2023 | X-INF443 - Informatique Graphique 3D |
| Winter term 2022 | X-INF574 - Digital Representations and Analysis of Shapes at École Polytechnique |
| Summer term 2019 and 2020 | Mathematics for physicists II at TU Berlin |
| Winter term 2018 and 2019 | Mathematics for physicists I at TU Berlin |
| Summer term 2018 | Linear Algebra II for mathematicians at TU Berlin |

## Technical Skills

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| Programming | PYTHON, C++, VEX, JAVASCRIPT |
| Software | HOUDINI, UNITY, LaTeX |

## Languages

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| German | Native |
| English | Fluent |
| French | Fluent |
| Chinese | Beginner |