

Theo Braune

Curriculum Vitae

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DOB: April 21, 2000



Education

- Current **Master 2 in Computer Science**, Institut Polytechnique in Computer Science on the topic "Interaction, Graphics, Design", Palaiseau.
- Current **Master in Mathematics**, *Technical University Berlin, Berlin, .*
- 2020-2021 **Master 1 in Mathematics**, *École Normale Supérieure , Paris .*
- 2017-2020 **Bachelor Studies in Mathematics**, *Technical University Berlin, Berlin, .*
- 2016-2017 **Pre-Bachelor studies in Mathematics**, *Technical University Berlin, Berlin.*
- 2011-2017 **Secondary school**, *Katholische Theresianschule.*

Scholastic and Curricular Achievements

- Current Scholar of the **German Academic Scholarship Foundation**
- Current Mentoring in the association Afev for underprivileged children in Paris.
- 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.
- 2019-2020 Mentoring in the association "*Kein-Abseits e.V*" for underprivileged children in Berlin.
- 2019 Participant in a summer academy in Vienna in the course: "*From basic quantum research to the development of new quantum technologies. Do we witness a 2nd quantum revolution?*"
- 2018 Participant in a summer academy in Greifswald in the course: "*Setting the news straight through technology.*"
- 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

- Current 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 2019 and 2020 | Mathematics for physicists II |
| Winter term 2018 and 2019 | Mathematics for physicists I |
| Summer term 2018 | Linear Algebra II for mathematicians |

Technical Skills

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| Programming | PYTHON, VEX, C++, JAVASCRIPT |
| Software | L ^A T _E X, HOUDINI, MS OFFICE, VISUAL STUDIO |
| Web Development | FRONTEND- HTML, CSS, PYTHON, HUGO (only basic skills) |

Languages

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