

Theo Braune

Curriculum Vitae

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DOB: April 21, 2000



Education

- Current **PhD in Computer Science under supervision of Mathieu Desbrun 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 Supérieure, 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

- Current Scholar of the **German Academic Scholarship Foundation**
- 2022 Participation in the *International Cyber Security Summer School* in The Hague
- 2021-2022 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

- 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

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

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

German	Native
English	Fluent
French	Fluent
Chinese	Beginner