




Sandro Michel Roch

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 Born: 04.02.1994
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Mathematical Interests

- Combinatorics & Graph Theory
- Computational Geometry
- Linear and Combinatorial Optimization

Education and Practical Experience

February 2022 – Present	Ph.D. student / Wissenschaftlicher Mitarbeiter <i>TU Berlin, BMS</i> Supervisor: Prof. Dr. Stefan Felsner Funding: Graduiertenkolleg Facets of Complexity
October 2019 – November 2022	Msc. Mathematics <i>TU Berlin, BMS (Phase I)</i> <ul style="list-style-type: none">▪ Final grade: 1.0▪ Thesis: <i>Algorithmen zur Erzeugung zufälliger Pseudogeradenarrangements</i>▪ First advisor: Prof. Dr. Stefan Felsner▪ Second advisor: Prof. Dr. Martin Skutella▪ Grade of thesis: 1.0
August 2020 – January 2022	Data Scientist (part time) <i>DocCirrus GmbH</i>
September 2019 – January 2020	Semester abroad (ERASMUS+) <i>Universitat de Barcelona, Spain</i>
October 2015 – July 2019	Bsc. Mathematics <i>TU Berlin</i> <ul style="list-style-type: none">▪ Final grade: 1.3▪ Thesis: <i>Sortieren in Netzwerken aus Stacks und Queues</i>▪ First advisor: Prof. Dr. Stefan Felsner▪ Second advisor: Prof. Dr. Martin Skutella▪ Grade of thesis: 1.0
April 2015 – September 2015	Software Developer (Full Time) <i>Axaris Software & Systeme GmbH</i>
September 2012 – February 2015	Software Developer (Apprenticeship) <i>CompuGroup Medical AG</i> <ul style="list-style-type: none">▪ Final grade: 1.4
September 2009 – June 2012	Technisches Gymnasium <i>Karl-Arnold-Schule Biberach</i> <ul style="list-style-type: none">▪ Final grade: 1.8

Seminars and Workshops

June 14 – June 25, 2022	ECCO 2022 (VII Encuentro Colombiano de Combinatoria) <i>Bogotá, Colombia</i>
June 7 – June 10, 2022	SoCG 2022 <i>Berlin</i>
April 11 – April 15, 2022	7th ArrDra workshop 2022 <i>Leucorea, Wittenberg</i>
April 4 – April 8, 2022	Joint workshop Berlin-Graz-Zürich <i>Graz (Semriach), Austria</i>
March 14 – March 16, 2022	EuroCG 22 <i>Perugia, Italy</i>
February 28 – March 4, 2022	Problem solving workshop <i>Kloster Chorin, Chorin</i>
February 2022	Organizer of the 10th BMS Student Conference <i>(online event)</i>
January 17 – 21, 2022	XVII Escuela de Verano en Matemáticas Discretas <i>(online event)</i>
April 7 – 9, 2021	EuroCG 21 <i>(online event)</i>
March 3 – 5, 2021	9th BMS Student Conference <i>(online event)</i>
September 9 – 13, 2020	Research Workshop: Order & Geometry <i>Leucorea, Wittenberg</i>
September 14 – 17, 2018	Fall school: Order & Geometry <i>Gutshof Sauen, Rietz-Neuendorf</i>
September 2017 – Present	Attendee of Mittagsseminar <i>TU Berlin</i>

Scholarships and Prizes

September 2019 – January 2020	ERASMUS+ scholarship
November 2019	Bachelorpreis der Berliner Mathematischen Gesellschaft
October 2017 – October 2018	Deutschlandstipendium der TU Berlin

Teaching Experience and Volunteering

April 2022 – July 2022	Teaching assistant <i>Discrete Geometry I</i>
October 2020 – Present	Vorstand of student dorm self-administration Studentische Selbstverwaltung Spandauer Damm e. V.

February 2022	Organizer of the 10th BMS Student Conference
December 2020 – December 2021	BMS / MATH+ Student Representative
April 2017 – October 2020	Student Teaching Assistant <i>Institut für Mathematik, TU Berlin</i>
September 2018 – August 2019	Private Tutor For engineering students
October 2017 – March 2018	Volunteer Mentor For students of first semester <i>TU Berlin</i>
January 2016 – November 2017	Volunteer German Teacher Organizer of <i>Zwille Deutschkurs</i> <i>TU Berlin</i>

Language Skills

German	Native
English	C1
Spanish	B2

Berlin, 22.07.2022