

Emanuel Roth

E.Roth@sms.ed.ac.uk eroth264.github.io

Personal Details

Surname, First Name | *Roth, Emanuel*

Date of Birth | *October 9th, 1998*

Place of Birth | *Jerudong, Brunei Darussalam*

Address | *Old Town, Edinburgh, United Kingdom*

Languages | *Fluent in English and German, basic command in Tagalog and Chinese*

Citizenship | *German, Filipino*

Education

University of Edinburgh | *PhD Student in Mathematics* **2024 - 2028**

- Mathematics PhD supervised by Johan Martens **2024 - 2028**
Topic: A symplectic approach to global Springer theory (modeled on the symplectic geometry of moduli spaces of parahoric Higgs bundles)

University of Heidelberg | *Bachelors and Masters Student in Mathematics* **2017 - 2024**

- Mathematics Master supervised by Florent Schaffhauser: *Note 1,7* **2022 - 2024**
Topic: Canonical reductions of principal bundles
- Mathematics Master Erasmus exchange student: *University of Vienna* **Winter Semester 2022 - 2023**
- Mathematics Bachelor: *Note 2,1* **2017 - 2022**
Topic: The Mitchell embedding theorem

Schuldorf Bergstraße, Seeheim-Jugenheim, Germany | *School Student* **2016 - 2017**

Jerudong International School, Jerudong, Brunei Darussalam | *School Student* **2004 - 2016**

Teaching

Undergraduate Course (to be determined) | *University of Edinburgh* **Spring Semester 2025**

Mathematics for Physicists 3 | *University of Heidelberg* **Winter Semester 2023 - 2024**

Mathematics for Physicists 2 | *University of Heidelberg* **Summer Semester 2023**

Linear Algebra 2 | *University of Heidelberg* **Summer Semester 2022**

Linear Algebra 1 | *University of Heidelberg* **Winter Semester 2021 - 2022**

Preliminary Courses | *University of Heidelberg* **October 2021**

Preliminary Courses | *University of Heidelberg* **October 2020**