

# Justin Mazenauer

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Prospective graduate in MSc Physics, ETH

## Education

### ETH Zurich

MSc. Physics (GPA 5.2, ongoing)

Zurich

Sep 2021 – today

- Master's thesis on methods for aggregating atmospheric aerosol optical depth
- Semester project on physics-informed neural networks for Kepler problems
- Additional courses: mathematical finance, non-linear dynamics, deep learning for scientific computing

### Jane Street, London

Quantitative trading camp participant

London

Oct 2022

### ETH Zurich

BSc. Physics (GPA 5.0)

Zurich

Sep 2018 – Aug 2021

- Additional courses: probability and statistics, game theory, epistemology

### Kantonsschule Wettingen

Eidgenössische Matura (Swiss diploma) and International Baccalaureate (IB)

Wettingen

Aug 2013 – Jul 2017

- Final project on magnetic levitation
- Focus on physics and applied mathematics

## Experience

### ETH Zurich

Teaching assistant

Zurich

Aug 2020 – today

Four semesters of tutoring bachelor students including class preparation, correction and grading of exercises

### Red or Blue Virtual Reality Lab

Assistant

Zurich

Aug 2019 – today

Hosting virtual reality and augmented reality events for companies and private groups

### Swiss Army

Basic training mechanized infantry grenadier

Jan 2018 – May 2018

### Pickwick Pub Baden

Bartender, Cook

Baden

Aug 2017 – Dec 2017

## Extracurriculars

Science olympiads

2016 – 2017

- Silver medal in Swiss Physics Olympiad
- National final round in Swiss Mathematics Olympiad

Private tutoring

2016 – 2021

Tutoring high school and university students in physics and mathematics

## Skills

**Languages:** English, German, French, Spanish

**Computer skills:** Python, Julia, Javascript, git, GitHub, MS Office,  $\text{\LaTeX}$ , SQL

## Interests

- Rugby
- Music
- Snowboarding
- Hiking