

# Diego DORN

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Date of birth : September 30, 1999

cozyfractal.com github.com/ddorn



## EDUCATION

- **École Polytechnique Fédérale de Lausanne** Lausanne, Switzerland  
*School of Computer and Communication Sciences* 2021 - present
  - Master's in CS with a minor in Mathematics. Focus on AI, formal verification and complexity theory.
- **École Polytechnique Fédérale de Lausanne** Lausanne, Switzerland  
*Department of Mathematics* 2018 - 2021
  - Bachelor's in Mathematics passed with a 5.42/6 average and top 5/100 of my year.
- **ML for Good Bootcamp** Paris, France  
*11-days AI Safety camp organised by EffiSciences* August 2022

## WORK EXPERIENCE

- **SPRIG** (sprig.ch) Lausanne, Switzerland  
*Lead developer* 2022 - 2023
  - Developing a distributed platform to increase confidence in mathematical proofs.
- **Semester projects in Mathematical Logic and Game Theory** Lausanne, Switzerland  
*Guided research, supervision of Jacques Duparc* 2021 - 2022
  - “Infinite games in the Baire space”, Bachelor thesis, Spring 2021
  - “Between decidable logics:  $\omega$ -automata and infinite games”, Master's semester project, Spring 2022
- **École Polytechnique Fédérale de Lausanne** Lausanne, Switzerland  
*Teaching assistant* 2019 - 2021
  - Analyse I (real 1D analysis)
  - Analyse II (vectorial analysis)
  - Analyse III (complex analysis)
  - Mathematical logic
  - Information, Calcul et Communication
  - Programation orientée objet (C++ OOP)
  - MOOC Introduction to C++
  - MOOC Introduction to OOP in C++
- **Game development & small projects** (cozyfractal.com/gamedev)  
*Creation of 10+ small games under strong time constraints for jams, a 2-dimensional EsoLang (Asciidots)...*

## VOLUNTEERING

- **Founder of the Lausanne AI Alignment group** Lausanne, Switzerland  
*Group for making AI beneficial and reducing related catastrophic risks* 2022 - present
  - Organisation of a 10-day bootcamp on AI Alignment, talks and a reading group
- **COO of Effective Altruism Lausanne** Lausanne, Switzerland  
*Association aiming to find the best ways to help others and put them into practice* 2022 - present
- **President of CQFD** Lausanne, Switzerland  
*The mathematics students association of EPFL* 2020 - 2021
- **Member of the national organisation committee of the TFJM<sup>2</sup>** France  
*The french tournament of young mathematicians* 2020 - 2021
  - Coordination of 9 events across France, development of a new online infrastructure and external communication

## SKILLS

- **Programming Languages:** Python (6000h), Rust (300h), Scala (200h), JavaScript / CSS / HTML (500h),  $\text{\LaTeX}$ , C/C++ (300h), Matlab, 6502/NES assembly
- **Languages:** French (native), English (fluent), Italian & German (basics, willing to learn more)
- **Others:** climbing (since 2006), juggling (on a bike), cooking (vegan), hot chocolate