Diego DORN

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cozyfractal.com   gitlab.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 machine learning, 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 - present*
  - Developing a distributed platform to increase confidence in mathematical proofs

- **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++*

- **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: ω-automata and infinite games"*, Master's semester project, Spring 2022

- **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 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^2**   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), 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