



# Pascal Bärtschi

## Curriculum Vitae

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## Research Experience

- since 2023/01 **Research Assistant**, *Department of Ecology and Environmental Studies, University of Zurich*  
○ Goal: Publication of key results of work “Hysteresis behaviour of a symmetric ecosystem model”
- 2022 **Internship in Ecology**, *Department of Ecology and Environmental Studies, University of Zurich*  
○ 8 weeks internship  
○ Thesis: “Hysteresis behaviour of a symmetric ecosystem model”  
○ Topic: Simulation of an ecosystem driven by mutual inhibition with a parametrized ODE model  
○ Supervisor: Prof. Owen Petchey
- 2021 **Interdisciplinary Research Methods in Computational Biology**, *University of Zurich*  
○ Semester thesis: “Describing population dynamics of experimental data using a prey-predator model”  
○ Supervisor: Dr. Akos Dobay



## Education

- from 2023/09 **M.S., D-BSSE**, *ETH*  
○ Computational Biology and Bioinformatics
- 2020-2023 **B.S., Faculty of Science**, *University of Zurich*  
○ Biology (120 ETCS) & Computational Science (60 ETCS)
- 2013 - 2019 **High School**, *Kantonsschule Zürcher Oberland, Wetzikon ZH*



## Awards

- 2023/04 **Semester price AS22**, *Prof. Michael Schaepman, University of Zurich*  
○ for my internship thesis “Hysteresis behaviour of a symmetric ecosystem model”



## General Experience

- 2021-2023 **Sit Vigil**, *PHS AG, University Hospital of Zurich*
- 2020 **Military Service**, *Swiss Airforce, Dubendorf*
- 2019-2021 **Intern in Logistics**, *Knorr-Bremse AG, Niederhasli*



## Programming Skills

Python: advanced  
R: advanced  
LaTeX: intermediate



## Social Activities

- since 2007 **Boys Scouts**, *Gossau ZH*
- since 2008 **Floorball**, *UH Cevi Gossau*
- 2018 -2021 **Floorball Referee**, *Swiss Unihockey*