

Personal Data

Name Niclas Joshua Popp
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Website <https://niclaspopp.github.io>
Date of Birth 17.09.1999

Manuscript, Poster Marco Stock, Niclas Popp, Antonio Scialdone "Gene regulatory network inference from scRNA-seq data by incorporating prior knowledge with graph autoencoders"

Bachelor Thesis "Interaction Preserving Discretization Methods and Applications in Single-Cell RNA Sequencing Data Analysis", published software package: MultivariateDiscretization.jl¹, supervised by Prof. Dr. Dr. Fabian Theis

Education

2021 – now **M.Sc. Mathematics** Technical University of Munich, Double Degree, current average grade 1.0
2021 – now **M.Sc.Eng. Engineering Physics** KTH Royal Institute of Technology, Stockholm, Double Degree, GPA 5.0/5.0
2017 – 2021 **B.Sc. Mathematics** with minor in Physics at the Technical University of Munich, passed with distinction (1.5)
2019 Exchange semester at the National University of Singapore
2014 – 2017 Junior studies in Mathematics at the Julius Maximilians University Würzburg
2009 – 2017 Abitur at the Georg-Wilhelm-Steller Gymnasium Bad Windsheim, first in class (final grade 1.0)

Awards

2021 DAAD RISE scholarship
2017 – now Scholarship of the German National Academic Scholarship Foundation (Studienstiftung des Deutschen Volkes)
2017 Winner of a Hans Riegel Prize in Geophysics
2017 3rd Place at the Jugend forscht Landeswettbewerb Bayern

Teaching

[KTH Royal Institute of Technology, Stockholm](#)

2022 Övningsassistent for Numerical Analysis for Computer Science
2021 Övningsassistent for Numerical Analysis for Industrial Economy

[Technical University of Munich](#)

2020, 2021 Tutor for Linear Algebra for Computer Science
2020 Tutor for Analysis for Computer Science

Research and Working Experience

2020 – now Student research assistant at the Institute for Computational Biology at the Helmholtz Research Centre for Environment and Health Munich
2021 Summer internship in Mathematical Biology at the University of Edinburgh
2017 – 2019 Working student in Data Science at Robert Bosch GmbH

Programming Skills

Advanced Julia
Good Python, Matlab, R, MPI
Basic C, Java Script

Projects and Publications

Preprint, Submitted Niclas Popp, Jonathan Fiorentino, Antonio Scialdone "Structural Benchmarking for Gene Regulatory Network Inference based on Single-Cell RNA Sequencing Data"

Language Skills

Native German
C2 English
B1+ French, Swedish
A1 Spanish, Chinese