

## CURRICULUM VITAE

# Fabius Grünhagen

Master's Student in Computer Science

+41 78 587 33 37

fabiusg@student.ethz.ch



## Skills

- Project Management
- Software Development  
(Experienced in Java, Python, and C++)
- Data Analysis and Scientific Work
- Languages: German (native), English (fluent)

## Education

M.Sc. in Computer Science (ongoing)

ETH Zurich, Switzerland

February 2025 – today

- Focus on Secure and Reliable Systems

B.Sc. in Computer Science

ETH Zurich, Switzerland

September 2021 – February 2025

## Working Experience

Working student in software development

GRZ Technologies SA, Switzerland

January 2022 – December 2024

- Developing, refactoring, and documenting control software for hydrogen compressors and storage systems
- Bachelor Thesis about Peak Shaving Algorithms

Voluntary Year in Science

Hannover Medical School, Germany

Institute for Molecular and Cell Physiology

October 2019 – July 2020

- Preparation and execution of In Vitro Motility Assays with TIRF-microscopy
- Data analysis
- Development of software for the evaluation of Single-Molecule-Photobleaching-Assays

## Internships/Seminars

Internship at the Institute for Molecular and Translational Therapeutic Strategies

Hannover Medical School, Germany

July 2018

- Insight into the work of the IMTTS and other research institutions
- Examination of different analytical methods for sample differentiation

Seminar "Arduino"

Robert Bosch GmbH, Germany

July 2017

- Programming in C
- Working with different electronic components and microcontrollers

## Publications

T. Wang *et al.*, "Cardiac ventricular myosin and slow skeletal myosin exhibit dissimilar chemomechanical properties despite bearing the same myosin heavy chain isoform," *Journal of Biological Chemistry*, vol. 298, no. 7, p. 102070, Jul. 2022, doi: 10.1016/j.jbc.2022.102070.

## Personal Information

Date of Birth: March 7, 2001

Nationality: German

Residence Permit: B