

# Valentina Schüller

## Curriculum Vitae

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🌐 [valentinaschueller.github.io](https://valentinaschueller.github.io)

### Education

- since 2020 **M.Sc. Computational Science & Engineering**, *Technical University of Munich*.  
Member of the Bavarian Graduate School of Computational Engineering (Honors Program).  
Member of best.in.tum.
- 2016–2020 **B.Sc. Engineering Science**, *Technical University of Munich*.

### Work Experience

- since 10/2022 **Intern**, *Laboratoire Jean Kuntzmann, Inria Grenoble*.  
Master's thesis at the AIRSEA group for mathematics and computing applied to oceanic and atmospheric flows.
- 2021–2022 **Student Assistant**, *Technical University of Munich*.  
Chair for Computer Architecture and Parallel Systems. Parallel-in-time integration methods for a shallow water equation solver. (C++, Fortran)
- 2018–2021 **Student Tutor**, *Technical University of Munich*.  
Three semesters of teaching for undergraduate students: Modeling and Simulation of Ordinary Differential Equations, Introduction to Mathematics. (Numerics, MATLAB)
- 2020 **Intern**, *Swedish Meteorological and Hydrological Institute (SMHI)*, Norrköping, Sweden.  
Bachelor's thesis at the Rossby Centre for Climate Research: *Monitoring Numerical Climate Simulations – A Tool for Runtime Analysis of EC-Earth (1.0)*. Development of a real-time analysis tool for the EC-Earth climate model. (Python)
- 2018–2019 **Student Assistant**, *Technical University of Munich*.  
Chair for Computation in Engineering. Development of communication routines and logging procedures for a parallelized fluid dynamics solver. (MPI, C++)

### Languages

- German native speaker  
English C1  
Swedish B1

### Skills

- Programming working knowledge: C++, Python, MATLAB, MPI & OpenMP. basic knowledge: Fortran, C, Subversion.
- Software Linux, Git, LaTeX.
- Soft Skills moderation and facilitation; project management; working in international teams; teaching experience as an academic tutor and in civic/political education.