# Valentina Schüller

*Curriculum Vitae*

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## Education

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| 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

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| since 2021 | **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

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| German | native speaker |
| English | C1 |
| Swedish | B1 |

## Skills

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| Programming | working knowledge: C++, Python, MATLAB, MPI & OpenMP. basic knowledge: Fortran, C, Subversion. |
| Software | Linux, Git, LaTeX. |
| Soft Skills | moderation and facilitation, project management, team building, working in international teams. |
| Other | certified youth leader (German certificate for youth leaders: JuLeiCa); teaching experience as an academic tutor and in civic/political education. |