Valentina Schüller

Curriculum Vitae

Hohenzollernstr. 61
80796 München
☐ *+49 176 22146419*
✉ *valentina.schueller@tum.de*
🌐 *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).
2016 – 2020	**B.Sc. Engineering Science**, *Technical University of Munich*, 2.1 (passed with merits).
2008 – 2016	**General Higher Education Entrance Qualification (Abitur)**, *Städtisches Willi-Graf-Gymnasium München*, 1.0 (best possible grade).

Work Experience

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

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, 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.

Volunteer Work

education-related

2017–2020   **student council of the Munich School of Engineering**, *Technical University of Munich*.
head of the student council, head of the department of university politics, elected member of the council of student representatives.

2012–2016   **school council**, *Städt. Willi-Graf-Gymnasium München*.
e.g. event planning, tutor for new students.

beyond my education

since 2020   **elected member of the Schwabing-West district council in Munich**, *for the Social Democratic Party of Germany (SPD)*.
member of the committees for traffic and mobility, as well as ecology, climate protection and public space.

2016 – 2020   **member of the advisory council of Munich's cultural education platform (Musenkuss München)**, *Cultural Department of the City of Munich*.

since 2015   **project-related youth work**, *Münchner Schüler*innenbüro e.V. and Kreisjugendring München-Stadt*.
coordination of large events such as the Munich convention for high school students (besser::), member of multiple project teams concerned with the political and civic education of students and young volunteers.