JULIUS SCHULZ

* 24. April 1986

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Work Experience

Research assistant, Netz group, FU Berlin und TU Munich — 2010–present
Theoretical biophysics and biochemistry. Modeling of dynamic processes in proteins. Programming of simulations and statistical data analysis.
Teaching assistance (i.a. electronics course and numerics)
Publications in scientific journals and presentations at international conferences.

Volunteer, Federal Agency for Technical Relief / THW — 2010–present
Emergency Response Unit. Specialisation in technical search.
Team oriented working in deployment.

Student scientist, Netz group, TU Munich — 01/2007–06/2007
Development of Monte Carlo simulations of confined electrolytes

Schul-/Hochschulbildung

PhD in physics, FU Berlin — Disputation 09/2015
Dissertation: „Internal Friction in Peptide Kinetics"

Diploma studies in physics, TU Munich — 10/2004–04/2010
Diploma thesis: „Structure and phase behaviour of electrolytes in confined geometries" (Grade: 1.3)
Final grade: 2.2

KTH Stockholm — 07/2007–12/2007
Studies abroad (Erasmus stipend)

Humboldtoberschule Berlin-Tegel (Gymnasium) — Abitur, 1996–2004
Final grade: 2.0
Participation in program to skip grade eight

IT Skills

C/C++, Python, Git: Programming of simulations and data analysis
Java, R, SQL, VHDL, Visual Studio: skills gained during studies and teaching
Windows, Linux/Unix, Mac OS: administration of research group IT
MS Office, Adobe CS: frequent application in presentations and publications

Sprachen

German (native), English (fluent), French (school level), Swedish (basics, B1), Urdu/Hindi (basics, started recently)