

David Hasse



Pleikartsförsterstraße 1, 69124 Heidelberg



25. Oktober 1999



+49 1575 3357790



contact@david-hasse.de



github.com/haeisl



david-hasse.de



Education

10/2018 – 3/2025	B.Sc. Computer Science Grade: 2.0 Bachelorarbeit: Grade: 1.0 "Enhancement of Visualization Capabilities and Optimization of an Interactive Tool for Simulating and Interpolating Electrode Positions for Epilepsy Treatment"	Heidelberg University
9/2009 – 7/2017	German High School Diploma (Abitur)	Hölderlin-Gymnasium Heidelberg

Selected Projects

Epilepsy Planning Tool Further developed a simulation tool for planning epilepsy therapy • reduced the error rate of FEM matrix-based electric field calculations by 70 % • added new visualization methods • enabled platform independence via Docker containerization • modularized frontend, backend, and database • collaborated closely with supervising PhD researcher	Bachelor's Thesis
Portfolio Website Built a responsive portfolio site using Next.js 15, React, TypeScript, and Tailwind CSS • explored a modern frontend stack • set up domain via Namecheap • deployed the site using Vercel hosting • acts as a personal online profile referenced in job applications	Personal Project
Field-Consistent Glyphs Implemented a ParaView plugin for field-consistent glyphs as part of a two-person team • enabled precise visualization of local vector and tensor fields • significantly improved interpretability of complex research data	Student Software Lab
Virtual Patient Cohorts Designed and implemented a flexible Python tool with a GUI for curve fitting in collaboration with a fellow student • enabled importing of arbitrary datasets • allowed fitting of user-defined functions (SciPy / Least Squares) • generated simulated patient cohorts for scenario analyses	Student Software Lab

Additional

Languages: German (native), English (C1), French (A2), Japanese (A2)

Interests: Technology (hardware & software), sciences, video games, cooking, exploring new things