

Jan Keuchel

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WORK EXPERIENCE

Tutor – Theoretical Computer Science II	01.10.2024 – present
Karlsruhe University of Applied Sciences	
– Conducting weekly tutorials, creating exercise sheets, and grading mock exams for over 30 students.	
Internship in IT Administration	01.08.2023 – 31.08.2023
NEC Laboratories Europe GmbH, Heidelberg	
– Developed a system to display information from a network share.	
– Assisted with server installation and was introduced to Linux systems and Raspberry Pi devices.	

PROJECTS

Computational Geometry Visualization (<i>Ongoing</i>)	[Project Link]
Tool for visualizing algorithms in computational geometry, written in Python. Topics include convex hulls, line segment intersection, triangulation, range queries and Voronoi diagrams.	
Personal Website	[Project Link]
Personal website, containing blog posts, lecture notes and projects.	
Generic and dynamic data structures in C (<i>Ongoing</i>)	[Project Link]
Library of frequently used data structures such as Dynamic Lists or Balanced Binary Search Trees.	
Raspberry Pi as Network Server	
Setup of a Raspberry Pi as a NAS and configuration of Pi-hole for network-wide ad blocking.	

EDUCATION

01.09.2023 – present	Bachelor's in Computer Science Karlsruhe University of Applied Sciences Completed foundation studies among the top three students Recipient of the Deutschlandstipendium (German Scholarship) Expected graduation in June 2027
14.09.2021 – 06.06.2023	General University Entrance Qualification Carl-Bosch-Schule Heidelberg

SKILLS

- **Programming Languages:** Go, C, Python, Java, Bash
 - **Tools & Systems:** Linux, Git, L^AT_EX, vim, Make
 - **Cyber Security:** TryHackMe Top 3% [[Profile Link](#)], basics in Nmap, Metasploit and Snort
 - **Languages:** English (fluent), German (native)

INTERESTS

- bouldering, snowboarding, writing, nutrition, music