Jan Keuchel

🌐 keuchel.dev | ✉ jan@keuchel.dev | ⓞ jan-keuchel

WORK EXPERIENCE

Tutor – Theoretical Computer Science II   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   August 2023
NEC Laboratories Europe GmbH, Heidelberg
- Developed a system to display information from a network share.

PROJECTS

Computational Geometry Visualization (*Ongoing*)   [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 (*Ongoing*)   [Project Link]
Development of a static website using Jekyll to publish blog articles, lecture notes, and showcase projects.

Generic and dynamic data structures in C (*Ongoing*)   [Project Link]
Library of frequently used data structures such as Dynamic Lists or Blanced 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

2023 – present	**Bachelor's in Computer Science**	(GPA: 1.6)
	Karlsruhe University of Applied Sciences	
	Completed foundation studies among the top three students	
	Recipient of the German Scholarship (Deutschlandstipendium)	
	Completion of the *Ethical Hacking* module with a grade of 1.0	
	Expected graduation in June 2027	
2021 – 2023	**General University Entrance Qualification (Abitur)**	(GPA: 1.5)
	Carl-Bosch-Schule Heidelberg	

SKILLS

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

INTERESTS

- bouldering, snowboarding, writing, nutrition, music