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
– I developed a system to display information from a network share on a display, assisted with server installations and was introduced to Linux and Raspberry Pis.

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 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, LaTeX, 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