

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** [\[Project Link\]](#)
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

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|-------------------------|---|
| 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