

Jan Keuchel

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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*)

[\[Project Link\]](#)

Python implementation to visualize various geometric algorithms such as convex hulls, line segment intersections, triangulation, 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

2023 – now 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, L^AT_EX, 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