

# Jan Keuchel

**Mail:** [jan@keuchel.dev](mailto:jan@keuchel.dev)   **Website:** [keuchel.dev](https://keuchel.dev)   **GitHub:** [github.com/jan-keuchel](https://github.com/jan-keuchel)

## WORK EXPERIENCE

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**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

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

Personal website, containing blog posts, lecture notes and 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

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- **Programming Languages:** Go, C, Python, Java, Bash
- **Tools & Systems:** Linux, Git, L<sup>A</sup>T<sub>E</sub>X, vim, Make
- **Cyber Security:** *TryHackMe* Top 3% [\[Profile Link\]](#), basics in Nmap, Metasploit and Snort
- **Languages:** English (fluent), German (native)

## INTERESTS

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- bouldering, snowboarding, writing, nutrition, music