

# Jan Keuchel

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## WORK EXPERIENCE

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### 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

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### 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 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

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### 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

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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:** Englisch (fluent), German (native)

## INTERESTS

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- Bouldering, snowboarding, writing, nutrition, music