Maximilian Krebs

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@printerboi

Employment

2024 – · · · **Research assistant** Fraunhofer Institute for Material Flow and Logistics - Robotic and cognitive systems.

2021 – 2024 **Lead developer** Sugarpool GmbH - Development of modern web applications and coordination of the development process.

2017 – 2021 **Junior web developer.** Sugarpool GmbH - Focus on Wordpress, PHP and React.

Education

2023 – · · · · **M.Sc. Computer Science** TU Dortmund University.

2019 – 2023 **B.Sc. Computer Science** TU Dortmund University
Thesis titel: *Prädiktive, statische Energieverbrauchsanalyse basierend auf experimentell ermittelten Energiemodellen*.
Grade: 2.2

2011 – 2019 **A-Levels** Gymnasium Lindlar - Grade: 1.5

Skills

Languages:	German, English
Programming languages:	Java, C, C++, PHP, SQL, TS, JS, LaTeX, …
Web development:	Html, CSS, React, nginx, Apache Web Server
Misc:	Docker, Git, Jira, Testing, Teamplayer, Interdisciplinary interests

Scientific publications

1 M. Krebs, "Prädiktive, statische energieverbrauchsanalyse basierend auf experimentell ermittelten energiemodellen," in *SE 2024 - Companion*, Gesellschaft für Informatik e.V., 2024, pp. 179–180. DOI: 10.18420/sw2024-ws_16.

Miscellaneous

Awards

2025 **Sustainability Award - Technical sustainability**, TU Dortmund University.
Award in the category technical sustainability for my static energy analysis framework SPEAR. The project was awarded for its high degree of innovation and research relevance.

2024 **1st place in the student research competition**, GI-SE 2024.
Award for my bachelor thesis, with special praise for the high level of scientific rigor and the high significance for the field of sustainable software development.

1st place in the "Betriebssystembau" contest, System Software Group, TU, Dortmund .
A fellow student and I co-developed "GameboySTUBS", an emulator for Game Boy games, seamlessly integrating it into STUBS, a student operating system we collectively developed over a semester. Our collaborative project, received an award for excellence upon submission.

2016 **Invent a Chip - BMBF Sonderpreis**,
Federal Ministry of Education and Research (BMBF) and VDE e.V.
Development of an FPGA-based prototype for a smart rollator, which should provide users with many features to ensure mobile and safe use.