Julian M. Kleber
M. Sc.

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Personal Information

Nationality	German
Website	www.julianmkleber.com
Portfolio	www.codeberg.org/cap_jmk
Languages	German, English, Spanish (basics), Russian (basics), Latin, Ancient Greek

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Work Experience

Academic

since 07.2024-11.2024	**Scientist**, RWTH Aachen University, Aachen. I was applying simulation and engineering techniquest to develop novel analysis and simulation methods to elucidate mechanisms in heterogenous catalysis.
10.2023-01.2024	**Scientist**, Berlin Insitute of Health, Berlin. During my time at BIH, I investigated privacy methods and their robustness against Deep Learning and quantum methods.
10.2020–01.2021	**Student Assistant**, Helmholtz Zentrum, Berlin. I participated in project about in programming a new software for high-throughput simulations.
10.2016–10.2019	**Teaching Assistant**, Freie Universität, Berlin. I was tutoring Mathematics I and II for undergraduate students and am still proud to have helped raising the next generation of successful chemists.

Industry

07.2023 - 08.2023	**Frontend Engineer**, Girona Software GmbH, Berlin. I prototyped a front end for the local citizen registration offices and helped to identify several security flaws in the used software.

05.2023 - 07.2023	**Data Engineer**, Obeta GmbH, Berlin. I optimized the analysis of search results to identify possible marketing opportunities. I reported directly to the CEO and saved 250.000€ during my stay.
04.2023 - 05.2023	**IT Administrator**, Innovac GmbH, Berlin. I designed a production grade linux server for internal hosting. I also helped to automate different tasks such as the website deployments.
11.2022 - 02.2023	**Software Engineer**, Wall GmbH, Berlin. I worked on internal Django and Vue applications to improve the efficiency and monitoring of the German wide facilites of Wall GmbH. I cooperated with the local government to find the best solutions to their needs.
10.2019 - 01.2020	**Data Analyst**, NC Systems GmbH, Berlin. I analyzed data on the terabyte scale to find out coverage and security holes in military radio communication. I worked with different stakeholders such as the CEO and the local authorities.
01.2015–09.2015	**Chemical Laboratory Assistant in R&D**, Merck KgaA, Darmstadt. I was part of a new research group within the OLED department focusing on electron transmitters. Here I synthesized over 150 novel compounds and designed novel upscaling routes.

Self Employed

Since 09 .2019	**Software and Machine Learning Engineer - Industrial and Open Source**, Berlin. I worked on numerous contracts within the field of web and software development. My contirbutions include finding bugs in scikit learn, jax, PyTorch, and PyTorch Geometric. I developed top ranking algorithms e.g. CARATE. I worked with people from various top companies and universities including, Oxford, Charité, Cambridge, Cornell University, Stanford University, Microsoft, AWS, Meta, and Google.
Since 01.2016	**Coaching and Private Teaching**, Berlin. I coach high and elementary school students to deal with the problems they face with their education during the pandemic and help them out in numerous subjects. Through my training many teenagers find confidence again and become sucessfull students.

Internships

06.2018–09.2018	**DAAD Research Fellow**, AG Jones, Queen Mary University London. I studied intramolecular cyclisation reactions and developed novel synthesis routes.
03.2018–06.2018	**Bachelor Thesis**, AG Kulak, Freie Universität Berlin. My research was focusing on the cutting of DNA molecules.

03.2016–05.2016	**Student Assistant**, Wahl Group, Freie Universität Berlin. I was elucidating structures of terpene cyclases.

Education

04.2020-08.2022	**Studies Sustainable Chemistry**, Leuphana Universität Lüneburg. During these studies I focus on sustainability. The studies opened me a new way of thinking about chemical, political and industrial problems.
04.2019-04.2022	**Studies Master Computational Science**, Freie Universität. I further specialised in simulations and software development around medicinal and synthetic chemistry.
10.2015–01.2019	**Studies Bachelor Chemie**, Freie Universität. I focused to deepen my knowledge about theoretical chemistry and synthetic chemistry.
09.2012–09.2015	**Chemical Laboratory Assistant**, Merck KgaA, Darmstadt. Being at different departments I gained practical experience in medicinal chemistry, synthetic chemistry and analytical chemistry.

Volunteering

07.2024–11.2024	**Clubhouse Lead**, ASV Aachen, Aachen. I coordinated the efforts around the clubhouse for events and festivities. I managed various projects to make it more beautiful.
04.2023–06.2024	**Markteing Lead**, BLISS e.V., Berlin. I coordinate the marketing efforts of BLISS e.V. with a special focus on sociale media and guerilla marketing
02.2023–04.2024	**Data Management**, BLISS e.V., Berlin. I managed data compliance for the association.

IT Skills

Office	LaTeX, LibreOffice, Office-365	Programming	Java, JS, Python, R, SQL, MERN webstack, c(pp), Go, C#, PHP
Operating Systems	Windows, MacOS, Linux (Debian)	Cloud	Google, AWS, Azure