JULIAN **M. KLEBER**

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PROFILE

Experienced (data) scientist and software engineer, with a proven track record of collaborating with top institutions and industry leaders. Skilled in computational science, machine learning, and simulation techniques, with a focus on sustainability, catalysis, and privacy-preserving AI.

SOFTWARE PROFICIENCIES

Office

LATEX	Advanced
LibreOffice	Advanced
Office-365	Intermediate

Operating Systems

Windows, MacOS	Advanced
Linux (Debian)	
Intermediate	

Programming

JS	Intermediate
Python	Advanced
SQL	Intermediate
React	Intermediate
Vue	Intermediate
Svelte	Intermediate

Cloud

Google	Advanced
AWS	Advanced
Azure	Advanced

PROFESSIONAL EXPERIENCE

Academic

RWTH Aachen University, 07/2024 –11/2024

Scientist – Aachen

- I was applying simulation and engineering techniques to develop novel analysis and simulation methods to elucidate mechanisms in heterogenous catalysis.

Berlin Institute of Health, 10/2023 – 01/2024

Scientist – Berlin

- During my time at BIH, I investigated privacy methods and their robustness against Deep Learning and quantum methods.

Helmholtz Zentrum, 10/2022 – 01/2021

Student Assistant – Berlin

- I participated in project about in programming a new software for high through-put simulations.

Freie Universität, 10/2016 – 10/2019

Teaching Assistant – 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

Girona Software GmbH, 07/2023 – 08/2023

Frontend Engineer – Berlin

- I prototyped a front end for the local citizen registration offices and helped to identify several security flaws in the used software.

Obeta GmbH, 05/2023 – 07/2023

Data Engineer – Berlin

- I optimized the analysis of search results to identify possible marketing opportunities. I reported directly to the CEO.

Innovac GmbH, 04/2023 – 05/2023

IT Administrator – Berlin

- I designed a production grade linux server for internal hosting. I also helped to automate different tasks such as the website deployments.

Wall GmbH, 11/2022 – 02/2023

Software Engineer – Berlin

- I worked on internal Django and Vue applications to improve the efficiency and monitoring of the German wide facilities of Wall GmbH. I cooperated with the local government to find the best solutions to their needs

VOLUNTEERING

Clubhouse Lead
ASV Aachen – Aachen
[07/2024 – 11/2024]
I coordinated the efforts around the clubhouse for events and festivities. I managed various projects to make it more beautiful.

Marketing Lead
BLISS e.V. – Berlin
[04/2023 – 06/2024]
I coordinate the marketing efforts of BLISS e.V. with a special focus on sociale media and guerilla marketin g

Data Management
BLISS e.V. – Berlin
[02/2023 – 04/2024]
I managed data compliance for the association.

LANGUAGE

German
Native Proficiency

English   Professional Proficiency

NC Systems GmbH,   10/2019 – 01/2020
Data Analyst – 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.

Merck KgaA,   01/2015 – 09/2015
Chemical Laboratory Assistant in R&D – 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

Independent Developer & SoftwareEngineer Since 09/2019
Software and Machine Learning Engineer – Berlin
- I worked on numerous contracts within the field of web and software development. My contributions include finding bugs in scikit learn, jax, PyTorch, and PyTorch Geometric. I developed top ranking algorithms e.g. CARATE.

Coaching and Private Teaching,   Since 01/2016
– 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 be- come successful students.

Internships

DAAD Research Fellow,   06/2018 – 09/2018
AG Jones – Queen Mary University London
- I studied intramolecular cyclisation reactions and developed novel synthesis routes.

Bachelor Thesis,   03/2018 – 06/2018
AG Kulak – Freie Universität Berlin
- My research was focusing on the cutting of DNA molecules.

Student Assistant,   03/2016 – 05/2016
Wahl Group – Freie Universität Berlin
- I was elucidating structures of terpene cyclases.

EDUCATION

Sustainable Chemistry   04/2020 – 08/2022
Leuphana Universität Lüneburg, Germany
- During these studies I focus on sustainability. The studies opened me a new way of thinking about chemical, political and industrial problems.

Master Computational Science
04/2019 – 04/2022
Freie Universität, Germany
- I further specialized in simulations and software development around medicinal and synthetic chemistry.

Bachelor of Science in Chemistry   10/2015 – 01/2019
Freie Universität Berlin, Germany
- I focused to deepen my knowledge about theoretical chemistry and synthetic chemistry.

Chemical Laboratory Assistant   09/2012 – 09/2015
Merck KgaA, Darmstadt, Germany
- Being at different departments I gained practical experience in medicinal chemistry, synthetic chemistry and analytical chemistry.