

Software development engineer for Life Cycle Assessment and Automation

ABOUT CARBON MINDS

We are a Cologne-based company dealing with sustainability in the chemical and plastics industry. We support companies in oil & gas, chemicals, and tech in their transition to sustainable value creation. To this end, we reveal and analyze the environmental impacts of companies in these sectors and develop strategies to reduce these impacts in a targeted and cost-efficient manner. Our clients already include 3 Fortune Global 500 companies in oil & gas, chemicals and tech, as well as 5 multinationals with more than 5 billion revenue each.

For the 1st of October we are looking for a full-time employee with a background in engineering, software development or both. In your role, you will lead the development of our Life Cycle Assessment and Automation services, working closely with our core Life Cycle Assessment and Process Simulation team.



Your Responsibilities

- You will revolutionize chemical and plastic supply chains and contribute to the transition towards larger sustainability by providing transparency about environmental impacts
- You'll work in our core Life Cycle Assessment (LCA) and Process Simulation (PS) team, but will be responsible for all software related tasks and questions
- In particular you will be involved in a project funded by the German government dealing with the following tasks:
 - Establishing a cooperation network for the development of a digital sustainability platform. The aim of the platform is the holistic collection and provision of the data necessary to evaluate the environmental impacts of plastic products.
 - Using our proprietary database about chemicals and plastics to evaluate the environmental impacts of plastic product case-studies during the development of the digital sustainability platform
 - Implementing adequate user interfaces for accessing our underlying data, so project partners can perform their own calculations and get guidance on the environmental impacts of chemicals and plastics



- University graduates are welcome!
- You hold a master's degree in mechanical/chemical engineering with a strong focus on computer science or you have a degree in software engineering or similar
- Experience in Life Cycle Assessment is a plus but not a must
- Python skills are an absolute must, since it is the current code base for our algorithms and calculations
- Experience in most of the following areas is very beneficial: front end development, back-end development, database, server, API, user management, and version controlling systems (we are not fixed on any technology yet)
- Fluent in English, German is a plus but not a must
- You are highly motivated to learn and work in an interactive start-up environment
- You have excellent communication and presentations skills

Job Requirements



Your benefits at Carbon Minds

- Flexible working hours / potential for remote working
- Simple and fast personal improvement with a high learning-curve and varying tasks
- We are seeking long-term relationships, so we can grow together
- Competitive salary for engineers, from the start, based on a fixed salary structure based on your experience.
- Last but not least: Doing good for the environment!



You can find more information about us on www.carbon-minds.com



Please send at least your CV, a Cover Letter highlighting your motivation for the job, an overview of existing software projects, certificates from university degrees and the respective overview of grades to application@carbon-minds.com. Feel free to attach further documents you think are important.