

Data Engineer (d/f/m)

Full Time (80-100%) from now on

You are a data engineer and looking for your next tech challenge? You would love to use your skills to fight climate change and build a more sustainable future? At circular.fashion, we develop machine learning, IoT and software solutions to make the textiles industry a circular economy. We unify interdisciplinary backgrounds such as software engineering, textile recycling, design, business and sustainability to achieve this goal, with a diverse team of people.

We are looking for a data engineer to work on an AI project and support our software team.

Your Role & Tasks

As a **data engineer** in our software team you will be mainly involved in an AI research and development project for intelligent textile sorting. Success of the project means that millions of tons of used textiles could be reused and recycled which are wasted or downcycled today. As part of our team, you will work hand in hand with our two university project partners FU Berlin and TU Berlin which bring in data science and spectroscopy expertise. Your role will include:

- **Wrangle:** Handling different types of data (spectroscopy, garment images etc.) and preparing them for analysis.
- **Launch:** Making the numerous types of data and models accessible to multiple stakeholders
- **Explore:** Use sci-kit learn, Keras/Tensorflow and pymc3 to investigate and present analysis of the data
- **Integrate:** Combine this work into the current circular fashion software

Additionally, you are part of our software team consisting of our product manager, three more software developers and a UX/UI designer to integrate the AI solutions and further develop and scale our sustainable software solution. Your tasks will include:

- Develop new applications and tools for fashion brands and recyclers with a focus on the backend. Our tech stack consists of a combination of Django in the backend and JavaScript for frontend purposes.
- Working on IoT software solutions to guide garments to the best 2nd hand or recycling purpose after use
- Improvement of our databases and our very own [data standard](#) for product identification, which you can find published open source on [GitHub](#)

Why joining us

Why we think it's amazing to join our organization

- **Our team:** It's fun to work here! You are surrounded by a passionate and highly motivated team.
- **Open Source:** We want to create the biggest impact possible. Therefore, we publish parts of our work [open source](#).
- **Self-development:** We encourage self-development.
- **Interdisciplinary:** We know that an interdisciplinary exchange brings out the best solutions, so we encourage everyone to voice their opinion no matter your background.
- **Participation:** We invite you to join team discussions on our strategy and contribute to shape our company journey.
- **Impact:** By further developing our software tools you are helping fashion companies from startup size up to some of the largest global fashion players such as HUGO BOSS and H&M to realize their transition towards a sustainable and circular business model
- **Future:** Together we shape the future of how we produce and consume and realise a positive vision for this world

Your Skills

Skills we appreciate and would help you do great work in your role

- You like to take responsibility and initiative where you see you can contribute great input
- You will quickly find your way around in project teams and appreciate the interdisciplinary work
- You are open to learn relevant matters of the textile and recycling industry in order to understand its complex challenges and solutions
- You are self-organized and used to structure your work according to the jointly developed strategy and milestones in efficient discussions and upfront planning with the team
- You are experienced with ETL tools
- You know how to write code in Python and ideally C/C++
- For data analysis you can use Scikit-learn or PyMC3 or equivalent
- You are experienced in database management (SQL, Apache Spark or similar, Hadoop or NoSQL)
- Good documentation is a must for you
- Ideally experience in data visualization, basic machine learning tools (regression, singular value decomposition) and Tensorflow/Keras or equivalent.

If you are curious about getting to know us please send us your application to jobs@circular.fashion with your salary expectations and the earliest date you could start. The position is free from now on.

Your circular.fashion team