

## To Whom It May Concern:

We confirm that Bastian Bührmann has participated and successfully completed our Data Science program, beginning 20/04/2020 until 16/07/2020 at SPICED Academy Berlin, Germany.

The immersive course in Data Science provides the knowledge, skills and mindset required to become a high-performing Data Scientist. During the 12-week all-day program, participants gain practical expertise through lectures and hands-on exercises in data science projects. Upon graduation, our students are ready to start a career as a Data Scientist.

The curriculum is focused on Data Analysis in Python, using popular libraries such as pandas and NumPy, Machine Learning with the two frameworks scikit-learn and Keras/TensorFlow along with Data Visualization, PostGreSQL, development tools such as git, virtualenv and pytest and deployment of models to larger architectures using AWS and Docker.

Throughout the program, students receive career guidance in the areas of self-awareness, tackling interview questions, CV, cover letter and online presence. On graduation day, students demo an application they built to an audience of SPICED students, partners and staff.

Issued on 16/07/2020 in Berlin

**SPICED Education GmbH**