Joy de Carvalho Lucas

Berlin, Germany

+49 1777196169 | decarvalholucas@campus.tu-berlin.de | joy-lewis.github.io | in
linkedin.com/in/de-carvalho-lucas/

Objective

As a bachelor's student pursuing a career in data analysis, I am excited to take on a challenging role in a dynamic and innovative organization. I'm confident in delivering high-quality code with the experience gained from programming projects in e.g. Python, SQL, Java and R at the university level and working as a Jr. Data Analyst. I'm seeking a role that offers opportunities to work with a team that continuously pushes the boundaries of what is possible in software engineering and data analysis.

Education

Technical University of Berlin   *Berlin, Germany*

B.Sc. in Computer Science   *Oct 2020 - Present*

- **Relevant Courses:**
  ISDA - Fundamentals of Database Management Systems,
  DWBI - Fundamentals of Warehousing and Data Mining,
  Py. Ing. - Advanced Python Programming,
  R Lab - Statistics using R,
  Stochastic - Fundamentals of Statistics and Probability Distributions,
  BeKo - Fundamentals of Graph Theory and Complexity Theory,
  Artificial Intelligence - Introduction to Reinforcement Learning, Maschine Learning and Neural Nets

Max-Beckmann School   *Frankfurt am Main, Germany*

High School   *Aug 2016 - June 2019*

- **Specialised in:** Physics, English, and Maths
- Took a computer science introductory course

University Projects

Water flow data analysis   *Berlin, Germany*

Technical University of Berlin   *Jan 2023 - Feb 2023*

- Python Course
- To better understand the water flow field around a circular cylinder with a certain diameter,
  CFD simulations were carried out. The calculations were performed on an irregular 2D grid that intersects the cylinder
  so that it appears as a circle within it. The results for a discrete-time point were exported as a CSV file.
  The characteristics of that data were then analyzed and plotted in Python.
- **Technical Skills:** Python, NumPy, Pandas, Matplotlib, JupyterLab.

Work experience

Frontline   *Berlin, Germany*

Jr. Data Analyst   *July 2023 - Present*

- My work includes conducting research to gather data, cleaning data, detection of patterns and trends,
  time series analysis, to improve the predictive quality of a ML model.

Skills

Programming	Java, Python (Pandas, NumPy, scikit-learn, etc.), SQL, R(ggplot2), Swift, C.
Miscellaneous	PyCharm, IntelliJ, XCode, VS Code, Git, Jupyter Notebook.
Soft Skills	Problem-solving, Time Management, Teamwork, Documentation

Languages

English	Professional proficiency
German	Native proficiency