

Werkstudent (m/w/d): Software Development & Data Analysis

Key Facts

8-20 hours/week

18€/h

Location: flexible (remote, hybrid or in our offices @ Munich Urban Colab)

About MCube Consulting

MCube Consulting is part of the *MCube Network – Munich Cluster for the Future of Mobility in Metropolitan Regions*. We bring mobility innovations from cutting-edge research into practice by supporting public institutions and industry partners with scientifically grounded consulting and digital product development. Our goal is to help cities, municipalities, and companies implement forward-looking mobility solutions quickly and effectively. We draw on the expertise and network of the entire MCube Cluster and collaborate closely with our partners to make innovation tangible.

Task

As a student assistant, you will:

- Develop **data-driven dashboards, tools, and prototypes** using e.g. Python, Streamlit, Dash, or Plotly.
- Analyze **mobility and transport datasets** to generate actionable insights.
- Support **data platform, web-tool or digital twin development**.
- Visualize results for reports, workshops, and presentations.
- Work closely with consultants to **translate research findings into real-world applications**.
- (Optional) Contribute to project management or proposal preparation.

Requirements

- Enrolled student (from the 4th semester onwards).
- Strong interest in mobility, digitalization, and data-driven innovation.
- Experience in software development and/or data analytics.
- Familiarity with tools such as JupyterLab, Git/GitHub, Pandas, NumPy, Plotly, Dash, Streamlit, Tableau, Power BI, or QGIS.
- Interest in machine learning, simulation, or data visualization.
- (Optional) Knowledge in API development, Docker, or cloud environments.
- Fluent in German and English, structured, and communicative.

We offer

- Develop data-driven dashboards, tools, and prototypes using Python, Streamlit, Dash, or Plotly.
- Hands-on experience in real-world urban mobility projects.
- Creative freedom and the chance to shape digital prototypes from idea to implementation.
- Flat hierarchies, supportive mentoring, and a dynamic environment.
- Flexible hours and location.
- Competitive compensation: €18/hour.

Contact

Send your **motivation statement** and **CV or transcript** to

 consulting@mcube-cluster.com