# LUCA WEISSBECK

## Software Engineering student passionate about acquiring new skills & technologies.

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📍 Stuttgart, Germany (Work authorisation provided by Settled Status in UK)

## EXPERIENCE

### Identifying Racial & Gender Bias Using NLP
**IBM Research - Tech4Justice**
📅 08/2021 - 11/2021　📍 Hursley, United Kingdom

- Developed algorithms in Python for identifying racial and gender bias in newspaper articles using data analysis tools such as Pandas, CoreNLP, and IBM Watson Natural Language Processing
- Demonstrated problem-solving skills by assisting the team in finding specific indicators of bias and procedures for conducting expanded scope analyses

### Development & Serverless Deployment of GitHub Changelog Application
**IBM Research - Code Engine**
📅 05/2021 - 08/2021　📍 Boeblingen, Germany

- Developed a React.js & Node.js web application that provides the IBM Cloud Code Engine UX team an efficient way to communicate the changes to the latest GitHub release via Slack
- Deployment of the application for the new IBM Cloud Serverless offering "Code Engine" that also demonstrates to external clients the simplicity of Code Engine deployments

### Development of DevOps Creator
**IBM - BMW Account**
📅 11/2020 - 02/2021　📍 Munich, Germany

- Helped with the development of the frontend in Angular.js, which allows the individual configuration of a DevOps solution
- Supports and simplifies the DevOps process for the customer

### Artificial Intelligence Optimisation for Object Recognition
**IBM - IoT Center**
📅 06/2020 - 08/2020　📍 Munich, Germany

- Trained an MxNet neural network for object recognition inside a docker container running on a remote high-performance computer
- Hyperparameter optimisation of the MxNet neural network, which is now being actively deployed in an exhibit at the Deutsches Museum in Nuremberg, Germany

## VOLUNTEERING

### IT Consulting Project
**German Red Cross**

Worked with two colleagues to identify deficiencies in the German Red Cross digital offering, such as an outdated mobile app or a website that lacked important details

## CERTIFICATIONS

**AWS Certified Cloud Practitioner**

**Professional Scrum Master I**

## SKILLS

| Python | Node.js | React.js |
| SQL&Databases | HTML&CSS |

## EDUCATION

### B.Sc. International Management for Business & Information Technology
**DHBW Stuttgart**
📅 09/2019 - 09/2022

- Hyperparameter Optimisation of an Artificial Intelligence Designed for Object Recognition and Deployed as Part of a Museum Exhibit (Project Report)
- HTTP Performance Comparison of Node.js API Deployment on IBM Cloud Code Engine versus IBM Virtual Server (Project Report)

### International Abitur (A-Level equivalent)
**German School London**
📅 08/2014 - 07/2019

## LANGUAGES

| **German** | Native |
|---|---|
| **English** | Bilingual Proficiency (Level C2) |

## PROJECTS

### PyBroker
🔗 github.com/LucaWeissbeck/PyStockMarketGame
Developed a gamified simulation of a financial broker in Python with Flask & Streamlit
- Grade: 100%

### SurveyWzrd
🔗 github.com/LucaWeissbeck/SurveyWzrd-Frontend
Developed a creator for custom surveys using Java Springboot backend & React.js frontend
- Grade: 93%

### Smart Home Dashboard
🔗 github.com/LucaWeissbeck/Toskana-Frontend
Developed a dashboard with MERN stack that displays the status of IoT devices
- Ability to control and monitor the holiday home remotely