Lars Erich Tuerke

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github | portfolio | linkedin

Experience

MTU Maintenance **Nov 2021 - Present**

Working Student Process Engineering *Ludwigsfelde, Berlin-Brandenburg*

- Support of an AI development project
- Process data analysis and visualization in Tableau
- Preparation and structuring of knowledge management in the internal wiki

Bachelor Thesis

- "Introduction of an artificial intelligence in engine maintenance based on the example of the development project automatic component recognition"

Working Student Process Engineering

- Support of an AI development project
- Process analysis and representation in MS Visio
- Working with Excel/Access VBA and KNIME

Intern Production Planning and Control

- Creation an automatic audit log for the database in Tableau
- Preparation and structuring of knowledge management in the internal wiki
- Elaboration of an overview of area and capacity planning

Stay abroad **2017-2018**

New Zealand

Education

Master of Science - Industrial Engineering **Sep 2022 - Present**

Technical University of Berlin *Berlin, Germany*

Bachelor of Engineering - Industrial Engineering **Sep 2018 - Sep 2022**

TH Wildau *Wildau, Germany*

Skills

Tech Stack	Python | Java | C/C++ | JavaScript | HMTL/CSS | SQL
Technologies	Heroku | Flask | Django | Git | Tableau | Microsoft Office | Atlassian
Soft Skills	Project Management | Time Management | Strategic Thinking | Communication | Sustainability
Languages	German (nativ) | English (C1)

Personal Projects

The Odin Project **Oct 2023 - Present**

Full Stack Developer Course

- An open-source curriculum for learning modern web development
- All projects from the course can be found on my GitHub.

CS50x **Mar 2023 - Sep 2023**

Harvards Introduction to Computer Science *Harvard University, Remote*

- An introduction to the intellectual enterprises of computer science and the art of programming.
- Certificate

Final Project: ClimbersLog

- ClimbersLog is a comprehensive logbook designed to empower climbers to track, analyze, and enhance their climbing performance. This web application provides climbers with a user-friendly interface to record, visualize, and gain insights into their climbing sessions.
- ClimbersLog was developed using HTML templates and Flask routes to create the website's structure, incorporating a robust SQLite3 database for users, gyms, and climbing sessions, along with user authentication to restrict access to authenticated users for the Sessions and History tabs.
- The application is hosted on Heroku, for which a refactoring of the database from SQLite3 to PostgreSQL was necessary.