

# 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
- Hardware: Setting up workplaces and calibrating measuring instruments.
- DevOps: Cross-system interfaces, centralization, and remote access.
- MLOps: Development of features, setting up development environments, and code refactoring.
- Data analysis and visualization in Tableau
- Preparation and structuring of knowledge management in the internal wiki
- Process analysis and representation in MS Visio
- Working with Excel/Access VBA and KNIME

*Bachelor Thesis*

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

*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 | Flask | Django | FastAPI | Java | C/C++ | JavaScript | React | HMTL/CSS | SQL

**Technologies** Heroku | 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.