

# Yu He

Passionate data scientist, ML engineer  
Experienced backend developer  
Leetcode in free time  
Living in Munich, Germany

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## Technical skills

**Primary language:** Python

**Experience with other Languages:** JavaScript, C++

**Python data science libraries:** NumPy, Pandas, SciPy, scikit-learn, Keras, Matplotlib

**Frontend:** React

**Python backend:** Flask, Dash, Fastapi

**Cloud Services:** Docker, Red Hat Openshift

**Database:** SQLite, PostgreSQL, Neo4j

**Version Control:** git

## Experience

### SWE at Lyft

Feb. 2022 – Present

- Ride Debugger Dashboard

### Junior data scientist at Lidl

Oct. 2019 – Nov. 2021

- Did data preprocessing like text mining, image preprocessing, and data cleaning
- Implemented similar products detection based on the features extracted from images and names using convolutional neural networks, word2vec, TF-IDF, and Sentence BERT model
- Developed ML-based dashboard using React and Fastapi, deployed the dashboard app on Red Hat OpenShift

#### Achievements:

- Increased Nonfood department revenue with the usage of the dashboard app
- Helped purchasing managers find similar items using 30% less time
- Led multiple dashboard training sessions in German for around 20 purchasing managers

### Machine learning internship in Baymax

Feb. 2019 – May. 2019

- Developed and maintained ML service APIs.

## Education

### Freie Universität Berlin

*Master of Science in Computer Science*

Oct. 2016 – Jan. 2019

- Master thesis about time series representation learning
- Most courses focused on data science, machine learning and deep learning
- Average grade of 1.4 (Maximum 1.0)

### Tianjin University of Finance and Economics

*Bachelor of Science in Computer Science*

Sep. 2012 – Jun. 2016

- Bachelor thesis about event clustering system
- Courses including mathematics, signal analysis, programming and computer networks
- Average grade of 92 (Maximum 100)