

# Minhua Liu

Born on 08.10.1998 in Beijing, China

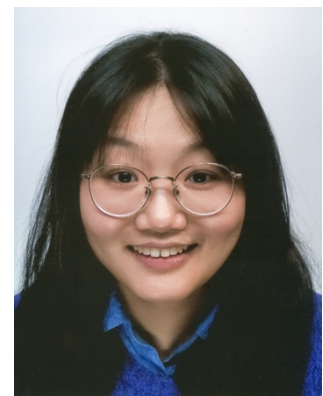
Address: Volmestraße 15, 45663, Recklinghausen

Tel: 015227216214

E-Mail: [minhua.liu@ruhr-uni-bochum.de](mailto:minhua.liu@ruhr-uni-bochum.de)

GitHub profile: <https://github.com/luiminyan>

Personal website: <https://luiminyan.github.io/>



## Study

10.2020 – today

**Computer science (7<sup>th</sup> semester, Bachelor of Science)**

at Ruhr-University Bochum

Current average grade: 2,1 (141 CP)

- Germany Scholarship (WiSe21/22 & SoSe22)
- Student Member of Faculty Advisory Committee (04.2022 – 03.2023)

09.2016 – 07.2020

**German language and literature (Bachelor of Arts)**

at Beijing International Studies University

Graduation grade: 86% (Good)

10.2019 – 08.2020

**Study year abroad (in Germany)**

at University Duisburg-Essen

## Study-related experience

09.2021 – 09.2022

**Tutor / Student assistant**

at Faculty of Computer Science at Ruhr University Bochum

10.2019 – 01.2020

**Language teacher / Student assistant**

at Language Center of Beijing International Studies university

## Knowledge

**Language**

**Chinese** (mandarin), mother language

**English**, very good knowledge (IELTS 7)

**German**, very good knowledge (TestDaF 17)

**Programming**

**Java** [<https://github.com/luiminyan/Design-patterns-java>]

**Spring boot** [[https://github.com/luiminyan/Springboot\\_tutorial](https://github.com/luiminyan/Springboot_tutorial)]

**SQL** (PostgreSQL, SQLite)

**Android Studio** [<https://github.com/luiminyan/FitMood>]

**Vue.js, Node.js** (Express, Koa, Pug), **JavaScript, TypeScript**,

**HTML, CSS** [[https://github.com/luiminyan/Web\\_Eng\\_mini\\_projects](https://github.com/luiminyan/Web_Eng_mini_projects)]

**Git**

**Linux Grundlage**

**C** [<https://github.com/luiminyan/Betriebssystem>]

**Dart & Flutter** [[https://github.com/luiminyan/Dart\\_Tutorial](https://github.com/luiminyan/Dart_Tutorial)]

[[https://github.com/luiminyan/First\\_flutter\\_app](https://github.com/luiminyan/First_flutter_app)]

**Python** (NumPy, Matplotlib) [<https://github.com/luiminyan/KNN-Classifer-CancerData>]

## Mathematics

Linear Algebra and its applications in cryptography  
Basic knowledge in machine learning  
Stochastic  
Number theory and graph theory

## Others

Latex  
MS-Office

## Projects

---

### Dart & Flutter Projects

#### Events Shop

A mobile application (MVC pattern) where users can discover the latest events and book tickets for them. The application is available for iOS, Android devices, and web browsers.

**Dart, Flutter, iOS, Android**

### Spring boot project

#### Student Information Management System

A backend web application in the RESTful architecture. Users can send POST, GET, and DELETE requests to the server.

**Java, PostgreSQL, Maven, Spring Boot**

### Data Analysis Project

#### kNN Classifier for Cancer Diagnosis

A naive predictor (kNN classifier) based on demo data for cancer diagnosis.

**Python** (NumPy, Matplotlib), **Anaconda, Jupyter Notebook**

### Android Project

#### Fit Mood

An Android app with which the user can record mood and health data (through questionnaires) and track sporting activities (through user input or sensor data). The mood and sports statistics are displayed graphically in user interface.

**Java, SQL** (Room Dao, SQLite), **Git, Android Studio**

## Hobbies

---

Cooking, reading, mathematics and patchwork.

Minhua Liu



Recklinghausen, 14.12.2023