YINGHAO WANG

PERSONAL INFORMATION

Place/Date of birth: 12.20.1999 in Ningbo, Zhejiang, China

Nationality: China

Marital status: single

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WORK HISTORY

DOS Software-Systeme GmbH

26.09.2022-11.01.2023

Joined the company as a member of the Ostfalia team project. Main tasks are the participation in the software development as a developer.

Helmholtz Centre for Infection Research

04.04.2023-14.08.2023

Joined the company as a member of the internship team. Main tasks are the participation in the project "A web crawler to generate statistics for the use of hypothesis tests with small sample sizes in scientific journals".

STIPENDIUM

Third prize for outstanding student scholarship

of Zhejiang University of Science and Technology   06.2020

EDUCATION

Zhejiang University of Science,

Hangzhou, China

Bachelor of Science   09.2018 - 08.2023

Computer Science

Ostfalia Hochschule für angewandte Wissenschaften,

Wolfenbüettel, German

Bachelor of Science

Software Engineering   09.2021 – 08.2023

Rheinisch-Westfälische Technische Hochschule Aachen,

Aachen, German

Master of Science

Computer Science   09.2023 – current

Language

Chinese, Native

German, negotiating skills, both written and spoken:

- Deutsche Sprachprüfung für den Hochschulzugang (DSH): DSH2 (08.2021)

Englisch, negotiating skills, both written and spoken:

- IELTS English Test: Overall band - 6.5

Computer Science knowledge

- Familiarity with the C programming, Java programming, Python programming and data structures. Having good programming habits, strong analytical and problem-solving skills

- Ability to use IntelliJ, Eclipse, Visual Studio and other compilers

- Frontend: Knowledge of HTML5, CSS3, Javascript, experience with frameworks such as Vaadin, Primeface, Django and JSF. Responsible for the frontend in several projects

- Backend: Experience in the use of Java ee, Spring Boot and Django, having already completed several projects on this basis

- Database: Familiarity with MySQL and PostgreSQL and corresponding project experience

- Demonstrated data processing skills and familiarity with data flow processing and database structures

EDV:

- Microsoft Word, Excel, Powerpoint, Outlook, Microsoft Team

- Adobe Acrobat DC, Photoshop, Audition, Animate

PROJEKT

EXPERIENCE

Status of the Harz dams as a web app

Group member

Project description: Connect the given database to get the relevant data about the state of the dams. Design and develop software based on Java ee, JSF and PostgreSQL to present the data from the database on the front end.

- Design and program the front-end of the project

- Design of the back-end factory pattern

Web-based editing program for recording

Group member

Project description: Design software with a front-end based on Springboot and Javascript. The software must be able to take and create screenshots of web pages using the Javascript canvas function. After capturing and creating screenshots, it must be able to perform basic editing operations for videos and images.

- Design of project-wide front-end pages and programming
- Implementation of the recording function of the project and transfer of video to the backend

A web crawler for generating statistics for the use of hypothesis tests with small sample sizes in scientific journals

Independent completion of projects

Project description: Developed a web application that generates data for hypothesis testing services for small sample sizes from three academic journal websites, BMC Journal, PLOS, and Science. Solve the problem of articles included in the small sample size data when the website's built-in search engine performs a search using the keyword t-test, which cannot be used as a statistic due to the large deviation from the keyword. Used Python as the programming language with crawling techniques as the basis for the validity comparison.

- Front-end and back-end based on Django framework and python language.

Development of a web application for internship management

Independent completion of projects

Project description: Design and develop a web application that uses Springboot as back-end and Vaadin as front-end. The web application needs to be able to capture, store and email the interns personal information as well as send the email with a cc to other relevant people. The web application also allows the company to manage the interns and assign them to internship programs.

- As the project used an agile development methodology, all parts of the work were involved, with the main tasks focusing on finalizing the full front-end design and writing the database operations.

Yinghao Wang