Yanxia HE

Mühlstraße 11

71229 Leonberg

Tel: +49 (0)15756213316

E-Mail: yanxia_he@126.com

Personal website: www.yanxia.eu

Basic Information:

Date of Birth	02.03.1991
Nationality	China

Practical experience

01/2020 – 11/2020	**Intelligent Remote Surveillance System based on Raspberry Pi**

- Implementation of server side **C++** application.
- Web client development with **Springboot, Bootstrap 4, HTML/CSS** and **Javascript**.
- Communication and video streaming between client and server with **Websocket**.
- Database management with **MySQL**.
- Camera movement control with **PWM** modulation.
- AI Human detection with a trained model by using **OpenCV**.

Personal Blog Website and its Administration Website

- Front-end development with HTML/CSS, Bootstrap4, Javascript and jQuery etc.
- Back-end development with Springboot, SpringMVC and MySQL.
- Website deployment on Raspberry Pi with **Docker**.

Coronavirus Information Website

- Data scraping by using web crawler written in **Python**.
- Front-end development with **Vue.js**.
- **Continuous deployment** to **Github** pages with Github Actions.

04/2018 - 01/2019	**Master thesis: "**Performance evaluation of GANs for faces recognition tasks against image degradation"

- Model training that repairs images based on python and **TensorFlow**.
- Feature Extraction for faces recognition.
- Performance evaluation of GANs for faces recognition tasks against image degradation.

07/2017 - 09/2017	**SAIC Motor Co., Ltd**., China
	Internship

- Environment perception algorithm development for autonomous driving vehicles using C++.

Education

10/2017 - 02/2019	**Technical University of Munich (TUM), Germany**
	M.Sc. Electrical Engineering and Information Technology (Double Degree of TUM and Tongji University in Shanghai)
09/2015 - 09/2017	**Tongji University**, Shanghai, China
	M.Eng. Control theory and Control Engineering
09/2011 – 06/2015	**Huaqiao University**, Xiamen, China
	B. Eng. Measurement and Control Technology and Instruments

Language skills

English	Written and spoken fluently
German	B2
Chinese	Native language

Engineering skills

Software IDE

- IDEA, Pycharm, Visual Studio Code, Eclipse

Programming skills

- Java, Python, C++, Javascript, HTML/CSS

Frameworks

- Springboot, Mybatis, Vue.js, Bootstrap4

Others

- Git, MySQL, Thymeleaf, SpringMVC, jQuery, TensorFlow, Embedded Linux, Docker,Deep Learning

Stuttgart, 29.10.2020

Yan xia He