Yanxia HE - CV

Basic Information:

Date of Birth:	02.03.1991
Adresse:	Mühlstraße 11, 71229 Leonberg
Nationality:	China
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Practical experience

Personal development project

12/2019 - 01/2020	**Remote monitoring with Raspberry Pi 3 Model B+**
	Draw facial landmarks
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- Track faces automatically by webcam
- Remote control of webcam via computer or cell phone

Link: https://github.com/Yanxiall/facetrack

University projects

04/2018 – 01/2019 **Technical University of Munich**

Master thesis: "Performance evaluation of GANs for faces recognition tasks against image degradation"

- Generate images with GAN (Deep Learning)
- Occlude the images and remove the occlusion
- Evaluate the performance of GANs for faces recognition tasks against image degradation

Student activity

05/2017 - 09/2017 **SAIC Motor Co., Ltd**., China

Internship

- Set up a lidar sensor(Velodyne, Ibeo) data collection platform based on RTMaps

- Develop and test environment perception algorithm for autonomous vehicles: Segmentation, Clustering, Classification (Machine Learning)

09/2016 - 02/2017 **Tongji University**

Working student

- Set up a decision - making mechanism of autonomous vehicles for lane change based on Bayesian Network
- Implementation of Sensor Fusion algorithm: Kalman Filter

Education

10/2017 - 02/2019 **Technical University of Munich (TUM), Germany**

M. **Eng.** 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

Engineering skills

Programming skills

- C++, Python, C, MATLAB

development environment

- Eclipse, TASKING, Pycharm, Visual Studio

Frameworks and libraries

- Tensorflow, Opencv, Numpy

Others

- CAN: CANoe, RTMaps,Prescan, ,DAVE

Weiteres

Language skills

English Written and spoken fluently

German B2

Chinese Native language

voluntary work

12/2019 - now Work in Oxfam

Hobbys

Travel - Sport

Berufsausbildng

Stuttgart , 31.01.2020

HE Yanxia