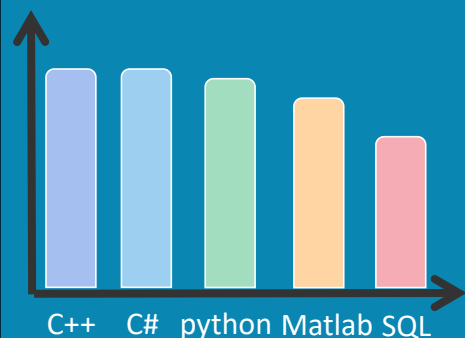




Gelin Wang

- ♂ 23.09.1994 in P.R. China
- ☎ +49 176 8085 1265
- ✉ gelin.wang@hotmail.com
- 📍 • Karlsruhe, Germany
• Ningbo, P.R.China
- ♣ • gelinwang.net
• github.com/GelinWang07
- 👤 • Self-motivated
• Team-player
• Full-Stack Engineer

CORE COMPETENCE

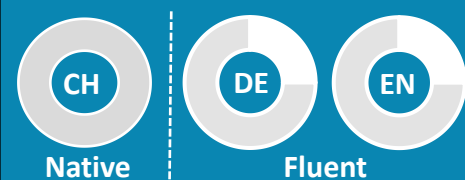


SOCIAL ENGAGEMENT

Captain of Karlsruhe Chinese Soccer Club since 2019

Volunteer Service for Giving Epidemic Prevention "Health Kits" in 2020

LANGUAGES



EDUCATION

- 04/2019-01/2022 KIT (Karlsruhe Institute of Technology)
M.Sc in Mechatronics and Information Technology focusing on robotics
- 10/2015-04/2019 KIT (Karlsruhe Institute of Technology)
B.Sc in Mechatronics and Information Technology
 - **Bachelor Thesis:** Implementation and Test of Visual Compass Based on 3D Data (**work in C++ and Matlab, written in English**)
- 09/2013-06/2014 Hebei University of Technology (Elite 211 Uni in China)
B.Sc in Measurement and Control Technology and Instruments

PRACTICAL EXPERIENCE

- 07/2021-01/2022 Trumpf GmbH & KIT *Master Thesis*
 - Optimization of a statistical Model for Machine Learning using Distributed Sensor Data (**work in python, written in English**)
- 10/2020-04/2021 Trumpf GmbH *R&D Intern*
 - Optical sensor development and data processing **with lua, C# and C++**
 - Database working **with SQL and python**
 - Image classification based on optical sensor data using CNN (Convolutional Neural Network) **with Keras and Tensorflow**
 - **OPC-UA** relevant industries and KUKA robots usages
- 03/2017-04/2018 Siemens AG *Working Student*
 - Software (test) engineering of **TIA portal** for SIMATIC products
 - Development and automation of test cases **with C# and VB**
 - Support in the creation of hardware structures and components
- 04/2015-05/2015 STOPA Anlagenbau GmbH *Internship*
 - Mechanical and construction **with Solidwork**
 - Basic electrical and mechanical training

RESEARCH EXPERIENCE

- 04/2020-09/2020 ITIV in KIT *Student Research Assistant*
 - Lidar and camera data fusion for Student Innovation Lab **with ROS, Point Cloud Library (PCL) and C++**
- 04/2019-10/2019 IPR in KIT *Robotic Project*
 - Map-based navigation of mobile robot **with ROS, Gazebo, Rviz, OpenCV and Python**
- 10/2018-02/2019 IPEK in KIT *Student Research Assistant*
 - **Management and leadership** of interdisciplinary teams for workshop mechatronic systems and products
- 10/2017-02/2018 IPEK in KIT *Mechatronic Project*
 - Path-planning of mobile robot **with Matlab&Simulink**

HONORS & CERTIFICATS

- 06/2018 Techfest in TUM *Hackathon*
 - **2nd** place at the challenge "let it flow"
 - Program sponsored by Siemens Mindsphere & Coca-cola Germany