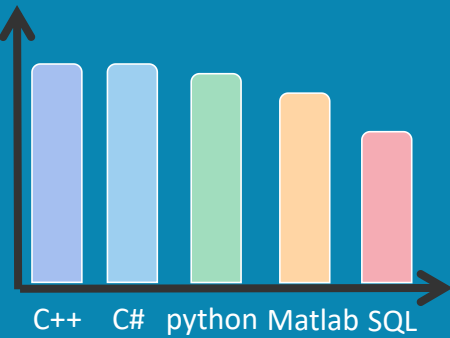




Gelin Wang

- ♂ 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 COMPOTENCE

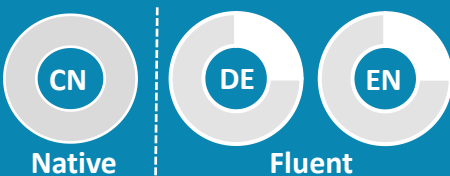


SOCIAL ENGAGEMENT

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 Insitute of Technology)
M.Sc in Mechatronics and Information Technology focusing on robotics
- 10/2015-04/2019 KIT (Karlsruhe Insitute 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 Neutral 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