Curriculum Vitae

Personal Information

Family Name	Yu
Given Name	Boqian
Birthday and -place	9. November 1995 in Dongying, China
Nationality	Chinese
Address	Friedenstraße 1,
	85748 Garching bei München,
	Germany
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Education

Since 10.2018	**Technical University of Munich**, Munich, Germany
	Major: Robotics, Cognition, Intelligence
	Pursuing Degree: Master of Science
09.2014 – 09.2018	**Tongji University**, Shanghai, China
	Major: Mechatronics, with focus on control and automation
	Degree: Bachelor of Engineering
	Thesis: "Comparison of methods for automated image processing in the development of FIE systems" (in German) at Robert Bosch GmbH
	Aachen University of Applied Sciences, Aachen, Germany
	Exchange year: 09.2017 – 08.2018
	Major: Mechatronics

Projects and publications

05.2020	**Track-Before-Detect Labeled Multi-Bernoulli Smoothing for Multiple Extended Objects,** *IEEE International Conference on Information Fusion*, accepted
05.2019	**Methodology and Decentralised Control of Modularised Changeable Conveyor Logistics System**, in *International Journal of Computer Integrated Manufacturing*, DOI: 10.1080/0951192X.2019.1636406
04.2019 – 08.2019	**RGB-D Direct Visual Odometry**, Munich, Germany
	• Implementation of direct visual odometry for RGB-D data in C++, including robust residual optimization, image pyramid etc.
04.2016 – 04.2017	**"Shanghai Undergraduate Innovation Program",** Shanghai, China Team leader
	• Construction and development of control system for intelligent restaurant under concept "Industry 4.0" based on Raspberry Pi
03.2016 – 04.2017	**"National Undergraduate Innovation Program",** Shanghai, China Team leader
	• Development of algorithm and control system for truck-based 3D-printer for architecture printing based on Arduino

Internships

Since 09.2019	**BMW AG,** Munich, Germany
	• Internship and master thesis under the topic multi-object tracking with recursive Bayes filtering for ADAS
02.2018 – 09.2018	**Robert Bosch GmbH,** Stuttgart, Germany
	• Internship and bachelor thesis under the topic automated image analysis and processing: inpainting, text detection, model fitting etc.
12.2016 – 03.2017	**China Petroleum Materials Corporation,** Beijing, China
	• Construction and update of the standard material library
	• Update of technology standards for equipment to be purchased
07.2016 – 09.2016	**Faurecia (China) Holding Co., Ltd,** Shanghai, China
	Assistant of CTO China
	• Collection and analysis of Information about technical trend in the automobile industry
	• Analysis of connection between economic condition and advanced technology strategy
09.2015 – 07.2017	**3D-Printing Lab of CDHAW,** Shanghai, China
	Assistant
	• Supervision and guidance of lab projects

Other abilities

Language

Chinese	Mother language
German	Fluent in speaking and writing
	Test Deutsch als Fremdsprache (TestDaF)
	19 of 20 Points (March 2016)
English	Fluent in speaking and writing
	Test of English as a Foreign Language (TOEFL)
	105 of 120 Points (February 2017)
	GRE General Test
	Verbal: 154, Quantitative: 166, Writing: 4.0 (February 2018)

Programming

C++, Python, Matlab	Advanced knowledge, project-capable

Social Engagement

07.2016 – 07.2017	**Bosch Campus Club of Tongji University,** Chairman
11.2015 – 07.2016	**Student union of Chinese-German Universities (CDH),** Chairman
08.2015	**Congress of the International Association of German Studies (IVG),** Volunteer