

ROBIN WEISS

PERSONAL DETAILS

Born in Germany, 03 February 1989

email mail@robinweiss.de

website www.robinweiss.de

phone +49 172 383 22 93

PROFESSIONAL EXPERIENCE

Perception Engineering Since March 2019 Perception Engineer, ROBERT BOSCH GMBH
Customer-specific implementation of radar-based driving automation systems
Extended object tracking · Emergency Response Officer

Research Project May 2018 – Oct 2018 Robotics Researcher, UFRGS
 Φ -Robotics Research Lab, Federal University of Rio Grande do Sul, Brazil
Developed hybrid localisation algorithms using sequential Monte Carlo simulation and non-linear bounded-error state estimation based on interval analysis

Application Engineering Dec 2015 – Jun 2016 Application Engineer, ELMOS SEMICONDUCTOR
3 Months at Elmos Semiconductor Technology Co., Ltd. in Shanghai, China
Developed a prototype for a real-time aerosol detector, including a classification algorithm, and provided on-site support and training for customers.

Research Project Nov 2014 – Jun 2015 Research Intern, UNIVERSITY OF GRANADA
Research Centre for Information and Communications Technologies in Granada, Spain
Joint research project with the Department of Neurology of the Ludwig Maximilian University of Munich, Germany: *Human Body Motion Analysis of Patients with Neurodegenerative Diseases by Means of Inertial Sensors* · Implemented a Kalman filter that estimates the orientation angles of the lower extremities from inertial data.

EDUCATION

Master of Science Dec 2015 – Nov 2018 Münster University of Applied Sciences
Computer Science · Specialisation in Pattern Recognition and Machine Learning
Tutor for Mathematics during 1st semester.
Thesis: *Hybridisation of Sequential Monte Carlo Simulation with Non-linear Bounded-error State Estimation Based on Interval Analysis Applied to Global Localisation of Mobile Robots*

Bachelor of Science Oct 2010 – Jun 2015 Münster University of Applied Sciences
Electrical Engineering · Specialisation in Communications Engineering
Tutor for Mathematics during 3rd and 4th semester.
Thesis: *Kalman Filtering Applied to Pitch Angle Estimation from Inertial Data of the Lower Extremities*

Exchange Semester Jan 2014 – Jun 2014 University of Portsmouth, United Kingdom
School of Engineering · Specialisation in Digital Systems Design
Implemented a digital modulation system based on a field-programmable gate array.

<i>Apprenticeship</i>	<i>Feb 2012 – Sep 2013</i>	Rettungsdienst Kreis Gütersloh	Training as a paramedic · Six-month theoretical training at DRK Rettungsschule Westfalen, Münster and subsequent practical work as a paramedic.
<i>Professional Training</i>	<i>Jan 2010 – Apr 2010</i>	Studieninstitut Westfalen-Lippe, Bielefeld	Training as an emergency medical technician · Clinical training at Klinikum Gütersloh, practical training at Rettungsdienst Kreis Gütersloh.
<i>Evening Classes</i>	<i>Aug 2006 – May 2008</i>	Carl-Miele-Berufskolleg, Gütersloh	University entrance qualification in electrical engineering, obtained in evening classes.
<i>Apprenticeship</i>	<i>Aug 2005 – Mar 2009</i>	Stadtwerke Gütersloh	Training as an electrician · <i>Specialisation in Energy and Building Technology</i> Enhanced my manual skills while solving real-life practical problems.
<i>Secondary School</i>	<i>Aug 1999 – Jun 2005</i>	Städt. Realschule Harsewinkel	Secondary school certificate with professional qualification commendation.

EXTRA-CURRICULAR ACTIVITIES

<i>Part-time Employment</i>	<i>Since Sep 2013</i>	Paramedic, KREIS GÜTERSLOH	Approximately 50 hours per month as a paramedic at the ambulance service of the district of Gütersloh, Nov 2018 – Feb 2019 full-time, since March 2019 approx. 36 h p. m.
<i>Work and Travel</i>	<i>Apr 2009 – Dec 2009</i>	Round Trip Australia	Took casual employment while travelling around Australia by car. Set up fairground rides and worked as security employee at funfairs.

COMPUTER AND LANGUAGE SKILLS

<i>Programming</i>	MATLAB, C/C++, C#, VHDL, TYPESCRIPT, HTML, CSS, PYTHON, L ^A T _E X
<i>Languages</i>	ENGLISH · CEFR C1
<i>Interests</i>	Emergency medical services, cognitive psychology, sports and travelling · Cycled from Germany to Venice (1700 km / 17 days), Istanbul (3400 km / 26 days) and Gibraltar (3800 km / 21 days), respectively, in three consecutive years.

January 1, 2020