Zhaopeng Guo

Name	Zhaopeng Guo
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EDUCATION

10/2016—01/2020
University of Stuttgart, Germany
Master of Science, Electrical and Info Engineering

06/2013—09/2016
University of Koblenz, Germany
Bachelor of Science, Electrical Engineering

10/2010—09/2013
Qingdao University of Science and Technology, China
Bachelor of Science, Electrical Engineering

EXPERIENCE

05/2020 – present
S4/HANA Software Developer at SAP SE Walldorf
- Developed excel mass upload tool for cloud defense
- Developed grantor management components for Public Sector Collection and Disbursement (PSCD)

07/2019—01/2020
Master Thesis on project 'Continual Learning for Deep Reinforcement Learning' at Institute of Signal Processing and Systems Theory, University of Stuttgart, Germany
- Implemented and compared deep reinforcement learning algorithms A2C and DQN (Tensorflow V2, Keras)
- Implemented and verified continual learning algorithms progressive neural networks and elastic weight consolidation (Tensorflow V2, Keras)

04/2018—10/2019
Build MongoX team and work on blockchain development
- Developed and tested basic packages for blockchain, i.e. encryption, database and data structure (NodeJS, MySQL)

10/2018—04/2019	Research work 'Implementation and verification of different methods for continual learning' at Institute of Signal Processing and Systems Theory, University of Stuttgart, Germany
	• Implemented and verified continual learning algorithms elastic weight consolidation, generative replay and naive rehearsal for classification(Tensorflow V1)
05/2017—12/2018	Working student on 12-48V battery system with CAN bus development and test at Bosch Battery System GmbH, Feuerbach, Germany
	• Processed test data of 12-48V battery system (VBA)
	• Tested microcontroller of 12-48V battery system (CANoe and INCA)
	• Implemented testing software GUI (CANoe)
03/2016—06/2016	Bachelor Thesis on project 'Analysis and evaluation of the influence of different hardware platforms on the behavior in static code analysis' at Robert Bosch GmbH, Renningen, Germany
	• Tested different hardware behaviors with GCC, CBMC and Astree. i.e. storage methods and mode of hardware communication (C/C++)
11/2015—02/2016	Internship on project 'Benchmark for Static Code Analysis' at Robert Bosch GmbH, Renningen, Germany
	• Implemented a benchmark for DGS (Diesel Gas Online) software in MISRA (C/C++)

SKILLS

Language	Chinese: Native German: Fluent, C1 level English: Fluent
EDV	ABAP, C/C++Programm, Java, Matlab, Python, NodeJS, CAN, CAN-FD, Tensorflow, Keras, INCA, CANoe, Datenbank(SQL, MySQL, MongoDB), VB, Microsoft Office
Driver's license	Class B