FALK VINCENT VON APPEN

2021 – 2023	Master of Science Robotics, Cognition, Intelligence, Technical University of Munich
May 2021 – Jan. 2022	Student job: software development at Cycle GmbH
Feb.-March 2021	Internship at CFEL, Improvement of simulation of nonlinear optics in Matlab for terahertz generation; Numerical solving of Schrödinger's equation using Runge-Kutta (4th) and split step Fourier method (Proof can be submitted later, was not provided by the institute yet)
2017 – 2021	Bachelor of Engineering in Mechatronics, University of Southern Denmark (SDU), Sønderborg, Denmark: Average grade: **11.67**; max. grade: 12
July 2020 – Jan. 2021	Final Project at Cycle GmbH, FPGA and Hardware design, Title: "FPGA based phase control loop with pre synchronisation". Architecture improvement of a phase control loop inside the Zynq-7000 SoC,
Feb.-June 2020	Internship at the German research centre for artificial intelligence (DFKI) in Osnabrück, Evaluation of a LIDAR-3D-Sensors, building of a semantic map for a robotic system and development of a processing system for automatic object detection and segmentation in arial and satellite imagery.
Sep. -Dec. 2019	Semester abroad at the Vancouver Island University (VIU), studying Computer science, taking 1st, 2nd and 3rd year courses: CSCI 160 Computer Science, CSCI 265 Software Engineering, CSCI 355 Digital Logic and Computer Organization, MATH 241 Linear Algebra, Term GPA: **4.10**, max. GPA: 4.33
Feb. – June. 2019	Student job: "Math-2"-Teaching assistant
Dec. 2018- Aug. 2019	Student job: "International Ambassador" at the "TEK"-faculty (technical faculty of SDU)
Since Jan. 2018	Scholar of the German National Scholarship Foundation, "Studienstiftung des Deutschen Volkes"
Oct. 2017- Oct. 2018	Student job: at the company "Swientys" through the workshop „Engineering Career Program 2017"
2008 – 2017	Stadtteilschule Blankenese; Abitur: July 2017, Grade: **1,2**
August 2016	Installation of solar powered water fountains in Nicaragua (school project)

March/May 2016	51. round of "Jugend Forscht", German youth research competition; researched about deploying a parachute by an onboard system using a feedforward neural network to detect flight behaviour
March 2014	Installation of solar home systems and One-Light-One-Child light on Tumbatu, Tanzania (school project)