

## Experience



**Master Student – Thesis** (Walther-Meissner-Institute, Garching)

April 2021 – today

Achieved experimental single-shot microwave Quantum Key Distribution using a cryogenic measurement setup.



**Student Researcher – Laboratory** (Walther-Meissner-Institute, Garching)

Oct. 2020 – April 2021

Designed an experimental testing setup illustrating low noise amplification of quantum signals using Josephson Parametric Amplifiers (JPA).



**Student Researcher – Python** (Technical University of Munich)

Dec. 2019 – Sept. 2020

Introducing the testing framework Pytest for the Open Source Project SimSES at the Institute for Electrical Energy Storage Technology. Developing a program to select analytical and machine learning regression models for battery aging. Physical modeling of AC/DC converters.



**Working Student – C++** (Brainlab, Munich)

May 2019 – Oct. 2019

Anatomical Mapping: Implementing algorithms for model conversion between medical DICOM data and 2D surface representations in C++. Programming a user interface with React.



**Teaching Assistant** (Technical University of Munich)

Sept. 2016 – Feb. 2022

Signal Theory (10/2021 - 02/2022)

Engineering Mechanics II (04/2017 - 08/2017)

Theoretical Physics I: Mechanics (04/2021 - 09/2021)

Engineering Informatics I (09/2016 - 02/2017)

Signal Representation (12/2017 - 02/2018)

Soft Skills I+II (09/2016 - 08/2017)

## Education



M.Sc. Appl. and Engin. Physics (TU Munich)

GPA: 1.1, April 2020 – today



B.Sc. Physics (University of Munich)

GPA: 1.8, Oct. 2017 – Feb. 2020



B.Sc. Engineering Science (TU Munich)

GPA: 2.3, Oct. 2015 – Feb. 2020



Exchange Semester (ETH Zürich)

Sept. 2017 – Feb. 2018

Abitur (Maria-Theresia-Gymnasium), Munich

GPA: 1.2, July 2015

## Voluntary Work

**Podcast: Campus after hours** at Technical University of Munich

Sound Design, Mixing and Mastering, Content Management.

Jan. 2021 – today

**Student Council** at Technical University of Munich

Chairman of the Fachschaft Munich School of Engineering (MSE) e.V.

Oct. 2016 – Oct. 2018

MSE Student Council Representative

Oct. 2016 – Oct. 2017

MSE Head of Public Relations Unit

April 2016 – April 2017

Course Speaker of the cohort 2015

Oct. 2015 – Oct. 2016

## Awards and Scholarships

**Best Poster Prize** MCQST Conference 2021

July 2021

**Deutschlandstipendium** Scholarship

Oct. 2019 – Oct. 2021

**Hans-Rudolf-Stiftung** Scholarship

Oct. 2016 – Oct. 2021

**Swiss European Mobility Program** Scholarship

Oct. 2017

**German Physical Society** Free Membership Award

July 2015