

## WORK EXPERIENCE

<b>Program Management (Intern)</b> Amazon	Aug. 2023 – Feb. 2024 Munich, Germany
<b>Management Consulting (Intern)</b> Siemens Advanta Consulting	Apr. 2023 – Jul. 2023 Munich, Germany
<b>Master Thesis Student</b> BMW AG	Feb. 2022 – Nov. 2022 Munich, Germany
<b>R&amp;D Scientist (Intern)</b> BMW AG	Jun 2021 – Dec 2021 Munich, Germany
<b>Research Assistant</b> Max-Planck Institute for Astrophysics	Oct. 2017 – Feb. 2020 Garching, Germany

## EDUCATION

<b>Master of Science</b>   <i>Condensed Matter Physics</i> Technical University of Munich	Apr. 2020 – Now Munich, Germany
<b>Exchange semester</b>   <i>Computer Science</i> The University of Tokyo	Oct. 2022 – Mar. 2023 Tokyo, Japan
<b>Master of Science</b>   <i>Computational Science and Engineering</i> Technical University of Munich	Oct. 2021 – Apr. 2023 Munich, Germany
<b>Bachelor of Science</b>   <i>Physics</i> Technical University of Munich	Oct. 2017 – Mar. 2020 Munich, Germany

## PUBLICATIONS & OPEN-SOURCE CONTRIBUTIONS

- PennyLane: Automatic differentiation of hybrid quantum-classical computations**  
An open-source library that provides a unified architecture for near-term quantum computing devices.
- A practical guide to image classification with variational tensor-network quantum circuits**  
A review paper related to the field of variational quantum algorithms for industrially-relevant machine learning tasks.

## COMMUNITY INVOLVEMENT

<b>Co-Head of Cooperation, Legal &amp; Finance</b> 180 Degrees Consulting Munich	Apr. 2023 – Now Munich, Germany
<b>Team Manager &amp; Student Consultant</b> 180 Degrees Consulting Munich e.V.	Nov. 2021 – Jul. 2022 Munich, Germany
<b>Team Coach &amp; Team Lead</b> PushQuantum e.V.	Oct. 2021 – Mar. 2022 Munich, Germany

## SCHOLARSHIPS AND AWARDS

<b>German National scholarship / Deutschlandstipendium</b> Scholarship holder (Sponsored by Allianz SE)	2022 – 2023
<b>TUM: Junge Akademie</b> Interdisciplinary project-based scholarship program offered by TU Munich	Class 2023

**More details upon requests.**