SHAOMING ZHANG (He/Him)
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WORK EXPERIENCE

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

EDUCATION

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

More details upon requests.