

# Leart Zuka, M.Sc.

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in LinkedIn

GitHub



## Employment History

- Apr. 2022 – Nov. 2023    **Software Developer**, Titanom Technologies GmbH., Munich
- Apr. 2024 – Apr. 2025    **Research Assistant** Max Planck Institute for Quantum Optics, Munich

## Education

- 2012 – 2020    **Allgemeine Hochschulreife** Rupprecht Gymnasium München.  
Grade: 1.9
- 2020 – 2023    **B.Sc. Physics** at Technical University Munich.  
Thesis title: *Analysis of X-ray/Neutron Scattering Data Using Bornagain*.  
Grade: 2.5
- 2024 – Present    **M.Sc. Condensed Matter Physics** at Technical University Munich  
Thesis title: *Atom-Photon Quantum Gate using an Atomic Clock Qubit*.

## Research Publications

### Journal Articles

- 1 G. Chiarella, T. Frank, L. Zuka, P. Farrera, and G. Rempe, “Source of heralded atom-photon entanglement for quantum networking,” *Phys. Rev. Lett.*, vol. 135, p. 240 802, 24 Dec. 2025. [DOI](#): 10.1103/5zk9-3rpv.

## Skills

- Languages    **Native German Speaker**; English (C2 – strong reading, writing, and speaking competencies); French (B1 – DELF certificate).
- Coding    **Linux, Python, Bash, Verilog, Javascript, Typescript, Lua, C, CSS, Git, L<sup>A</sup>T<sub>E</sub>X**
- Databases    **MySQL, PostgreSQL, SQLite.**

## Miscellaneous Experience

### Extra-curricular activities

- Jul. 2024 – Present    **IT Department Head**, PushQuantum e.V.

### Awards and Achievements

- Nov. 2024    **IBM Bootcamp Winner**. 2024 Qiskit Fall Fest organized by IBM x PushQuantum e.V..