

# Leart Zuka, M.Sc.

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[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

2024 – Present     **M.Sc. Condensed Matter Physics** at Technical University Munich  
Thesis title: *Atom-Photon Quantum Gate using an Atomic Clock Qubit.*

2020 – 2023     **B.Sc. Physics** at Technical University Munich.  
Thesis title: *Analysis of X-ray/Neutron Scattering Data Using Bornagain.*  
Grade: 2.5

2012 – 2020     **Allgemeine Hochschulreife** Rupprech Gymnasium München.  
Grade: 1.9

## 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

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|-----------|---|
| 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, $\text{\LaTeX}$                                   |
| 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..