# Leonid Lunin

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Date of birth: 16 January 1999
Brith place: Novosibirsk, Russia

## Work experience

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|---|---|
| October 2024 – present | **Physikalisch-Technische Bundesanstalt,**<br>**Location Berlin, Germany:**<br>Master student, Department 8.1 |
| August 2019 – August 2024 | **Max Born Institute for Nonlinear Optics and Short Pulse Spectroscopy,**<br>**Location Berlin, Germany:**<br>Student research assistant, Department B2 |

## Education

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| October 2022 – present | **Technical University of Berlin,**<br>**Location Berlin, Germany:**<br>M. Sc. Physics (1,1) with Master Thesis: "Physics-informed deep-learning for low-field MRI reconstruction and denoising" (*in prep.*) |
| October 2018 – August 2022 | **Technical University of Berlin,**<br>**Location Berlin, Germany:**<br>B. Sc. Physics (1,2) with Bachelor Thesis: "Pulse-triggered detection of resonant small-angle magnetic scattering at a laser-driven X-ray source" (1,0) |
| September 2017 – July 2018 | **Studienkolleg of the Free University of Berlin,**<br>**Location Berlin, Germany:**<br>Abitur (1,7) |
| August 2014 – July 2017 | **Specialized Educational Scientific Center,**<br>**Location Novosibirsk, Russia:**<br>High school, specialisation: Physics, Mathematics |
| September 2006 – June 2014 | **Gymnasium Nr. 3 in Akademgorodok,**<br>**Location Novosibirsk, Russia:**<br>Elementary and middle school |

## Personal skills and competences

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| IT skills | Python (Proficient)<br>C++ (Competent)<br>Julia (Competent)<br>System Administration (Competent)<br>Allpix$^2$ (Advanced Beginner)<br>ROOT (Novice)<br>TANGO Controls & Sardana (Expert)<br>CUDA (Advanced Beginner)<br>Circuit design (Novice)<br>Microcontroller programming (Novice)<br>Autodesk Fusion CAD (Proficient) |
| Research skills | Synchrotron radiation facilities<br>X-ray spectroscopy & imaging<br>Experimental physics<br>Lasers & Optics<br>Ultrafast magnetism |
| Conferences and activities | **DPG Spring Meetings 2024, talk:**<br>"Time-resolved resonant magnetic small-angle scattering with a laser-driven soft-X-ray plasma source"<br><br>**ErUM-Data-Hub Summer School 2023, "Deep Learning: Basic Concepts":**<br>Final Group Challenge 1st Place<br><br>**DPG Spring Meetings 2023, poster:**<br>"Pulse-triggered detection of resonant magnetic small-angle scattering at a laser-driven X-ray source" |
| Language proficiency | English Proficient<br>German Proficient<br>Russian Native speaker |

Berlin, 28th February 2025