Leonid Lunin

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



Work experience

October 2024 – present Physikalisch-Technische Bundesanstalt,

Location Berlin, Germany: Master student, Department 8.1

August 2019 – August 2024 Max Born Institute for Nonlinear Optics and Short Pulse

Spectroscopy,

Location Berlin, Germany:

Student research assistant, Department B2

Education

October 2022 – present Technical University of Berlin,

Location Berlin, Germany:

M.Sc. Physics (1,1) with Master Thesis: "Physics-informed deeplearning for low-field MRI reconstruction and denoising" (in prep.)

October 2018 – August 2022 Technical University of Berlin,

Location Berlin, Germany:

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,

Location Berlin, Germany:

Abitur (1,7)

August 2014 – July 2017 Specialized Educational Scientific Center,

Location Novosibirsk, Russia:

High school, specialisation: Physics, Mathematics

September 2006 – June 2014 Gymnasium Nr. 3 in Akademgorodok,

Location Novosibirsk, Russia: Elementary and middle school

Personal skills and competences

IT skills Python (Proficient)

C++ (Competent)
Julia (Competent)

System Administration (Competent)

Java (Proficient)
LATEX(Proficient)

CUDA (Advanced Beginner) Circuit design (Novice)

Microcontroller programming (Novice) Autodesk Fusion CAD (Proficient)

Research skills Synchrotron radiation facilities

X-ray spectroscopy & Imaging

Experimental physics Lasers & Optics Ultrafast magnetism

Conferences and activities DPG Spring Meetings 2024, talk:

"Time-resolved resonant magnetic small-angle scattering with a

laser-driven soft-X-ray plasma source"

ErUM-Data-Hub Summer School 2023, "Deep Learning:

Basic Concepts":

Final Group Challenge 1st Place

DPG Spring Meetings 2023, poster:

"Pulse-triggered detection of resonant magnetic small-angle scat-

tering at a laser-driven X-ray source"

Language proficiency English Proficient

German Proficient Russian Native speaker Italian Beginner

Berlin, 8th July 2025