

ANASTASIIA KUTAKH

DETAILS

PHONE

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EMAIL

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DATE OF BIRTH

01/31/2002

LINKS

[Facebook](#)

[Telegram](#)

[LinkedIn](#)

SKILLS

Programming: Python, C++

OS: Linux, Windows,
macOS

INTERESTS

Painting, drawing:
presented artworks at
several exhibitions; biking,
hiking, cooking

EDUCATION

Kharkiv Physics and Mathematics Lyceum #27

Kharkiv, Ukraine

Sep 2015 — Jun 2019

- **GPA:** 11.3/12
- **SAT Subject Tests:**
 - Physics - 800
 - Math Level II - 800

Bachelor of Physics, National Taras Shevchenko University of Kiev

Kyiv, Ukraine

Sep 2019 — Jun 2020

- **GPA:** 95.8/100
- **Coursework:** Calculus (2 semesters out of a 3-semester sequence), Mechanics and Mechanics Practicum, Programming, Linear Algebra and Analytic Geometry (a complete 2-semester course), Differential Equations, Molecular Physics and Molecular Physics Practicum

Physics B. S. , Massachusetts Institute of Technology

Cambridge

Sep 2020 — Jun 2023

- **GPA:** 4.8
- **Coursework:** Electricity and Magnetism 1, Classical Mechanics 1, Vibrations and Waves, Quantum Physics 1, Differential Equations, Real Analysis, Mathematics for Computer Science, Introduction to Python and Data Science, Intro to Algorithms

RESEARCH

Research Intern, Comin Photon Scattering Lab

Cambridge

Feb 2021 — Present

Polarization Ptychography Project:

- developing software for implementing coherent diffractive imaging methods in vectorial formalism
- utilizing it for studying anisotropic properties of birefringent materials:
 - collecting data at the optical table
 - processing results using machine learning methods

ACADEMIC AWARDS

International level:

- International Physics Olympiad - Bronze Medal, 2019

- International Astronomy and Astrophysics Olympiad - Honorable Mention, 2019

National level:

- National Physics Olympiad - Second-Degree Diploma, 2017
- National Physics Olympiad - First-Degree Diploma, 2018
- National Physics Olympiad - Second-Degree Diploma, 2019
- National Science Olympiad "Richelieu Regatta", theoretical round in physics - Second-Degree Diploma, 2019
- National Science Olympiad "Richelieu Regatta", experimental round in physics - First-Degree Diploma, 2019
- National Internet Olympiad, Physics - Third-Degree Diploma, 2017
- National Internet Olympiad, Physics - Second-Degree Diploma, 2018
- National Internet Olympiad, Physics - First-Degree Diploma, 2019
- National Tournament of Young Physicists:
 - Best Reviewer Award, 2017
 - Best Reviewer Award, 2018
 - Second-Degree Diploma (team competition), 2017
 - Second-Degree Diploma (team competition), 2018
 - Theoretical Olympiad - Second-Degree Diploma, 2017
- National Astronomy Olympiad - Second-Degree Diploma, 2018
- National Astronomy and Astrophysics Olympiad - Third-Degree Diploma, 2019

Scholarships and Special Awards:

- City Mayor's Scholarship, 2017
- Presidential Scholarship, 2018-2021
- "Intellectual Of The Year" (regional contest), 2019
- City Mayor's Commendation, 2019