

Olha Shevchenko

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EDUCATION

University of California, Los Angeles

M.A. in Mathematics (2022)

Ph.D. in Mathematics (exp. 2026)

2021–present

Los Angeles, USA

V.N.Karazin Kharkiv National University

B.S. in Pure Mathematics

2017–2021

Kharkiv, Ukraine

AWARDS

Stone Fellowship, UCLA

Awarded by University of California, Los Angeles to exceptional graduate students

2021–2022

Scientific grant by the National Research Foundation of Ukraine

Received the award as a member of an 8-person team

2020–2021

Scholarship of President of Ukraine

Awarded by the President of Ukraine to talented students. Received 4 times

2014–2018, 2020

Young Person of The Year

Presented by the Kharkiv Administration in recognition of achievements with significant societal impact

2017

PUBLICATIONS

- [1] V. Kadets, A. Kulykov, and **O. Shevchenko**, “Connection between the riemann integrability of a multi-valued function and of its convex hull”, in *Journal of Mathematical Analysis and Applications*, 2022.

SEMINARS AND PROGRAMS

BMS Student conference

Presented a talk at the conference organized by Berlin Math School

2021

Undergraduate research project on Geometry in Banach Spaces

Supervised by Vladimir Kadets

2020–2021

– Studied Riemann integrability of set-valued maps

– Described conditions of integrability of a convex hull of a map

Heidelberg Laureate Forum

Participated in the international conference with laureates of the Abel prize, Fields Medal and others

2020

Inter-University Mathematics school SMI

Participated in the summer school for graduate students, finishing the course in the top of the class

2019

Perugia, Italy

TEACHING EXPERIENCE

Teaching Assistant at UCLA

– Analysis: Math 131B;

2021–present

- Linear Algebra and Applications: Math 33A and 115A;
- Calculus: Math 31A, 31B, 32A and 31B;
- Discrete Mathematics: Math 61;
- Differential Equations: Math 33B.

Contest Math Tutoring

2017–present

Prepares students for competitions up to International level

VOLUNTEER EXPERIENCE

English Speaking Club

2022 –2023

Organized and lead a free English club with 80 participants with over 20 invited speakers

63rd International Mathematical Olympiad (IMO)

2022

Coordinator

Oslo, Norway

- Developed a grading scheme for the geometry problem
- Checked and graded the solutions of the participants from 100 countries
- Negotiated the scores with team leaders and finalized the results

Educational project "Let's get distracted"

2022

Co-organized a project providing free classes to over 250 Ukrainian students impacted by Russia's war

8th and 9th European Girls' Mathematics Olympiad (EGMO)

2020

Coordinator

Kyiv, Ukraine

11th Romanian Master of Mathematics (RMM)

2019

Deputy leader of the Ukrainian team (scored 9th)

Bucharest, Romania

Cyberspace Mathematical Competition

2020

Coordinator at the international contest with 555 participants from 75 countries

OLYMPIADS

Gold Medal at European Girls' Mathematics Olympiad (EGMO)

2017

Received perfect score (42/42), scoring the 1st among 168 participants from 44 countries

Zurich, Switzerland

2nd prize at International Math Competition for University Students (IMC)

2020

Selected as a member of a 2-person team from Ukraine

1st prize at European Mirror of Putnam Competition

2018, 2019

Scored 8th among more than 200 participants two times in a row

Ukrainian National Mathematics Olympiad

2014–2017, 2019

Earned 1st degree diploma 3 times and 2nd degree diploma twice

SKILLS

Languages: English, Ukrainian – fluent