

Nikola VESELINOV

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EXPERIENCE

SUMMER 2026	Scholar, Research Science Institute (RSI) <i>Center for Excellence in Education; held at MIT, Cambridge, Massachusetts</i> Worked on a topic in algebraic number theory under the mentorship of Ayan Nath and the supervision of the MIT Mathematics Department; won the “Top 5 Written Papers” award.
2026–PRESENT	High School Student Institute of Mathematics and Informatics <i>Bulgarian Academy of Sciences</i> Research Mentor Supervises student research projects in mathematics.
SUMMER 2025	Summer Research School Participant Worked on a topic in topological Galois theory [3] under the mentorship of Miroslav Marinov; won the “Top 5 Presentations” award.
2024–2026	Student Researcher Research in extremal set theory [4] and topological Galois theory [3] under the mentorship of Miroslav Marinov.

EDUCATION

EXPECTED MAY 2027	Sofia High School of Mathematics “Paisiy Hilendarski” <i>Sofia, Bulgaria</i> Grade: 6.00/6.00
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PUBLICATIONS

[1] N. Veselinov. On supersingular isogeny graphs of Drinfeld modules. 2026. [arXiv:2608.29812](#).
[2] N. Veselinov. Extremal densities for forbidden configurations in S -smooth numbers. 2026. [arXiv:2604.15515](#).
[3] M. Marinov and N. Veselinov. Solvability of meromorphic equations in elementary functions. 2026. [arXiv:2602.09253](#).
[4] N. Veselinov and M. Marinov. On the maximal size of (a, b) -town $(\text{mod } k)$ families. 2025. [arXiv:2510.00251](#).

HONORS AND AWARDS

AUGUST 2026	“Top 5 Written Papers” Award at Research Science Institute (RSI) 2026
MAY 2026	Regeneron International Science and Engineering Fair <i>Phoenix, Arizona</i> - Regeneron Young Scientist Award (\$75,000) - First Place Grand Award, Mathematics (\$6,000) - AMS Karl Menger Memorial Award, Second Award (\$1,000) - Mu Alpha Theta First Award (\$1,500)
APRIL 2026	Winner, Mathematics Category, FISSION 2026 <i>American College of Sofia</i>
APRIL 2026	High School Student Institute of Mathematics and Informatics <i>Bulgarian Academy of Sciences</i> 26th Student Section: Excellent Performance Award and Medal; Distinction for Research Supervision
JANUARY 2026	26th Student Conference: Excellent Performance Award and Medal
SUMMER 2025	Summer Research School: Top 5 Presentation Award
APRIL 2025	25th Student Section: Excellent Performance Award and Medal
APRIL 2024	24th Student Section: Special Debut Award
NOVEMBER 2025	First Place in Mathematics, 12th Student Session of Uchi-BAS <i>Bulgarian Academy of Sciences</i>

TALKS, PRESENTATIONS AND SEMINARS

SUMMER 2026	On supersingular isogeny graphs of Drinfeld modules [1] Research Science Institute 2026
MAY 2026	Invited Panelist, “How to Look Ahead” <i>RavnoSmetka Conference, Education Without Backpacks / Khan Academy Bulgaria</i>
MAY 2026	Solvability of meromorphic equations in elementary functions [3] Regeneron ISEF 2026
APRIL 2026	Young Talents 2026
APRIL 2026	FISSION 2026
APRIL 2026	26th Student Section, HSSIMI
JANUARY 2026	Innofair 2026
JANUARY 2026	26th Student Conference, HSSIMI
NOVEMBER 2025	12th Student Session, Uchi-BAS
SUMMER 2025	Summer Research School, HSSIMI
MAY 2025	On variations of the Oddtown problem (later [4]) Sixth Interdisciplinary Doctoral Forum (Invited Speaker), BAS
APRIL 2025	25th Student Section, HSSIMI
JANUARY 2025	Innofair 2025
NOVEMBER 2024	11th Student Session, Uchi-BAS
APRIL 2024	24th Student Section, HSSIMI

SUPERVISION

2026–PRESENT	Boryan Yordanov (co-supervised with Konstantin Delchev)
2026–PRESENT	Alexandrina Georgieva

LANGUAGES

Bulgarian (native); English (IELTS 8.5); German (Goethe-Zertifikat C1, TestDaF)