

Sami Labidi

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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA	June 2028 (expected)
<ul style="list-style-type: none">• Pursuing BS in Physics and Computer Science• Relevant coursework: Quantum Physics 3, Statistical Physics, Introduction to Algorithms, Fundamentals of Programming	

AWARDS

International Physics Olympiad Alternate, USA Physics Olympiad	June 2023
Silver Division, USA Computing Olympiad	December 2023
Seal of Biliteracy (English and French), Kansas Dept. of Education	April 2023

EXPERIENCE

Researcher, Kansas State University Department of Physics	June 2022 - January 2025
<ul style="list-style-type: none">• First author of paper on scattering by small absorptive spheres• Research informs the development of optical instruments	
Math Instructor, Mathnasium	September 2023 - July 2024
<ul style="list-style-type: none">• Help students of grades 2nd-12th love and learn math• Give encouragement and build students' confidence• Strive for pedagogic clarity first and rigor later	
Problem Writer, Online Physics Olympiad	March 2024 - August 2024
<ul style="list-style-type: none">• Write problems for a physics competition of ~1000 competitors• Collaborate with problem-writing team to put together challenging yet exciting exams	
Speaker, Harker Physics Invitational	November 2023
<ul style="list-style-type: none">• Spoke about journey to US Physics Team and gave advice for aspiring competitors to over 100 high schoolers interested in competitive physics	

ACTIVITIES

International Physics Olympiad (IPhO)	2021 - 2023
<ul style="list-style-type: none">• Largest physics problem-solving competition in world• Prepared for national competition (USAPhO) and international competition (IPhO)• Roughly top 6 out of ~6000 US competitors as IPhO Alternate (2023)	
Scholars' Bowl, Andover High School	2020 - 2023
<ul style="list-style-type: none">• Pushed varsity team to top 4 placements in state in 11th, 12th• Developed new resources for training	
Volunteer Private Tutoring	2022 - 2024
<ul style="list-style-type: none">• Taught school subjects, including Calculus and Physics C, as well as ACT preparation	

SKILLS

Languages: C++, Python, HTML, CSS, JavaScript