Sami Labidi

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EDUCATION

Massachusetts Institute of Technology, *Cambridge, MA* June 2028 (expected)
- Pursuing BS in Physics and Mathematics with Computer Science (intended)

Andover High School, *Andover, KS* May 2023
- Cumulative unweighted GPA: 3.922
- 4 Honors, 4 Advanced Placement (AP) classes, 13 Dual Enrollment classes
- ACT scores: 36 English, 35 Math, 36 Reading, 36 Science

AWARDS

USA Team Alternate, *International Physics Olympiad* June 2023
Seal of Biliteracy (English and French), *KSDE,* KS April 2023
Silver Division, *USA Computing Olympiad* December 2023

EXPERIENCE

Researcher, *Kansas State University Department of Physics* June 2022 - September 2024
- First author of paper on scattering by small absorptive spheres (not yet published)
- Research informs the development of optical instruments

Math Instructor, *Mathnasium* September 2023 - July 2024
- 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
- 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
- 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
- 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
- Pushed varsity team to top 4 placements in state in 10th, 11th
- Developed new resources for training

Volunteer Private Tutoring 2022 - 2024
- Taught school subjects, including Calculus and Physics C, as well as ACT preparation

SKILLS

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