

## Sami Labidi

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### ACADEMIC HISTORY

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**Andover High School, Andover, KS** September 2020-May 2023

- Cumulative unweighted GPA (September 2020-May 2023): 3.922
- 4 Honors, 4 Advanced Placement (AP), 13 Dual Enrollment classes
- Note: will graduate on an accelerated track after three years of high school

**Butler Community College, Andover, KS** August 2020-May 2023

- Cumulative unweighted GPA: 3.93
- Courses of note: Calculus 1 - 3, Differential Equations

**Wichita State University, Wichita, KS** Fall 2022

- Courses of note: Physics for Scientists 1 with University Physics Lab 1

**Test Scores, ACT, AP, ACS** September 2020-May 2023

- ACT: 36 English, 35 Math, 36 Reading, 36 Science
- AP: Biology (5), Calculus BC (5), Chemistry (5), Physics C (5/5), US History (5), English Language and Composition (5)
- ACS General Chemistry 1: 98th Percentile

### AWARDS

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**International Physics Olympiad Alternate, IPhO** June 2023

**Seal of Biliteracy (English and French), KSDE, KS** April 2023

**Top Individual Team, Physics Brawl** November 2023

**Commendation, PSAT/NMSQT** September 2022

**Academic Letter, Andover High School** May 2022

### RESEARCH EXPERIENCE

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**Researcher, Kansas State University Department of Physics** June 2022-Present

- Immersion in current research on light scattering and absorption by small particles with Prof. Chris Sorensen and others
- Contribute new perspectives using scientific programming
- Discuss the previous week's research at regular meetings with Prof. Sorensen and others

### WORK EXPERIENCE

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**Math Instructor, Mathnasium** September 2023-Present

- Help students of grades 2nd-12th love and learn math
- Give encouragement and build students' confidence
- Strive for pedagogic clarity first and rigor later

### ACTIVITIES

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**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 5000+ 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

**Weight Training and Coaching** 2020-2023

- Lift weights in free time (2022-Present) or at school (2020-2022)
- Coach less-experienced friends in the basics (2022-Present)

**Volunteer Private Tutoring** 2022-Present

- Taught school subjects, including Calculus and Physics C, as well as ACT preparation

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### **TALKS**

**Harker Physics Invitational Speaker Event** November 2023

- Spoke about journey to US Physics Team and gave advice for aspiring competitors to over 100 high schoolers interested in competitive physics

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### **SKILLS**

**Scientific Programming (C++, Mathematica)**

**Problem-Solving**

**Website Programming (HTML, CSS, JS)**

**French Fluency**