JUSTIN R. HADDAD

[LinkedIn](#) | **(301) 221-0050** | jhaddad2202@gmail.com

EDUCATION

Columbia University - 3.9/4.0 GPA (All Academic, Scholar of Distinction, Dean's List)   **New York, NY**
Bachelor of Arts: Majors - Mathematics & Computer Science   Sep 2021 - May 2025
Captain of Division 1 Fencing Team   Spring 2023 - Spring 2025

PROFESSIONAL EXPERIENCE

Fulbright Scholar ETA   **South Korea**
English Teaching Assistant   *January-December 2026*
- Teaching conversational English to hundreds of South Korean grade-school aged students in rural Korea
- Leading classes, writing lesson plans, and organizing after-school clubs to help improve student fluency and confidence
- Acting as a cultural ambassador as part of the 2026 Fulbright cohort, improving my cross cultural communication and leadership skills

Knowalla   **Remote**
Ed-Tech Software Engineering Intern   *Spring 2025*
- Designed and implemented a new evaluation framework that improved the accuracy of Knowalla's solver faithfulness testing from 36-60% to 78-93%, ensuring more reliable and factually consistent responses for students.
- Identified key weaknesses in the existing faithfulness testing pipeline and introduced quantitative benchmarks, leading to a more robust assessment of AI-generated solutions.

Columbia University Computer Science Department   **New York, NY**
Teaching Assistant/Course Assistant for Fundamentals of Computer Systems (CSEE 3827)   *Fall 2024*
- Acted as a Teaching Assistant for a required course of over 350 students for the Computer Science, Computer Engineering, and Electrical Engineering Majors at Columbia University and Barnard College
- Led review sessions, graded assignments, and help office hours consistently helping improve dozens of students understanding of the basic systems that make up every computer chip

Columbia University Math Department   **New York, NY**
Student Researcher   *Summer 2023*
- Conducted research on the application of Game Theory and Reinforcement Learning to trade negotiations, creating machine learning agents from scratch which could be used to sell products at a higher price in an online setting
- Combined statistical, programming, and mathematical skills learned in academic settings to apply them to practical and hands-on situations, creating both heuristic and RL algorithms that outperformed standard strategies by +25%.
- Co-authored a 15 page research paper, bi-weekly progress report presentations, and presented the research at the Columbia Math Symposium, CUPP symposium, and Jane Street NYC Summer Math Day

GoPeer   **Remote**
Personal Tutor   *Spring 2020-Present*
- Worked one on one tutoring dozens of students in SAT and AP Mathematics and Computer Science
- Customized lesson plans and teaching approaches to address individual student needs, consistently helping them achieve measurable improvements in test scores and conceptual understanding

LEADERSHIP EXPERIENCE & COMMUNITY INVOLVEMENT

Columbia Fencing   **New York, NY**
Team Captain   *Spring 2023-Spring 2025*
- Ran practices, scheduled lessons, and led the team during competitions throughout the season
- Organized team events, collected assignments, and identified key needs within the team of 50 athletes, such as individual focus or squad dynamics. Responded in a way which improved both team morale and competition results.

Ad Astra Foundation   **Remote**
Nonprofit Foundation Participating Member   *Spring 2024-Present*

RELEVANT COURSEWORK

- ***COMPUTER SCIENCE, MATHEMATICS, AND EDUCATION***: Honors Math, Fundamentals of Computer Systems, Introduction to AI, NLP, Modern Algebra, Advanced Programming, Parallel Optimization for Robotics

FENCING

- Individual Ivy League Champion, Two-Time Ivy League Team Champion, Junior National Champion, Junior World Championship Team Silver Medal, Two-time Pan-American Champion, Two-Time NCAA All American

TECHNICAL & LANGUAGE SKILLS

- **Programming Languages:** Python, Colab, Tensorflow, Java, HTML/CSS, Javascript, React
- **Spoken Languages:** English (Native), French (Fluent), Spanish (Proficient), Korean (Intermediate)