

Yael Alush – CV

Racah Institute of Physics, Hebrew University of Jerusalem, Israel
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EDUCATION	PhD in Physics , The Hebrew University of Jerusalem	2021–
	Advisor: Nicholas C. Stone	
	MSc in Physics , The Hebrew University of Jerusalem	2019–2021
	Advisor: Nicholas C. Stone	
	BSc in Applied Mathematics , Bar-Ilan University	2011–2014
	Studied simultaneously with high school: “The Youth Gifted in Mathematics program”	
TEACHING	Teaching Assistant , The Hebrew University of Jerusalem	2024–2025
	Physics 77101: Mechanics and Special relativity	
	Teaching Assistant , The Hebrew University of Jerusalem	2019–2024
	Physics 77101: Second-year BSc lab course	
PROFESSIONAL EXPERIENCE	Full Stack Developer , Intelligence Force, IDF	2017–2019
	Developed microservices and web applications using Node.js, Angular, MSSQL, and ElasticSearch.	
	Automation Developer , Intelligence Force, IDF	2014–2017
	Developed .NET automation frameworks using Selenium. Designed CI plans and testing infrastructure using Bamboo.	
HONORS & AWARDS	• Azrieli national prize fellowship	2024–
	• Dean list	2021
PUBLICATIONS	Alush, Y., & Stone, N. C. (2025). “Late-Time Evolution of Magnetized Disks in Tidal Disruption Events”.	
	Alush, Y., & Stone, N. C. (2022). “Revisiting Stellar Orbits and the Sgr A* Quadrupole Moment”. Physical Review D, 106(12), 123023	
TALKS & POSTERS	<ul style="list-style-type: none">• UW-Madison science seminar, Madison, Mar. 2025.• Leiden Observatory group meeting, online, Feb. 2024• Bar Ilan astrophysics seminar, Ramat Gan, Nov. 2024.• Tidal Disruption Events and Nuclear Transients: Entering the Data-Rich Era, Heraklion, Sep. 2024• AsCoS: Astrophysics & Cosmology Student Conference, Tel Aviv, Aug. 2024• GRAVITY, Fundamental Physics at the Galactic Centre Workshop, Porto, Dec. 2023• CIERA seminar, The Northwestern University, Chicago, Aug. 2023• MODEST-23, Chicago (poster), Aug. 2023• Israel Physical Society (IPS) conference, Tel Aviv, Apr. 2023• Ilan Ramon International Space Conference, Tel Aviv (poster), Feb. 2023• Unsolved Astrophysics Problems, Jerusalem, (poster), Dec. 2022	