

EDUCATION

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- **Tel Aviv University** Tel Aviv, Israel  
*Bachelor of Science in Physics and Mathematics; GPA: 4.00* May 2024 – Dec 2027
  - Relevant Coursework: Analysis I, Linear Algebra I, Expanded Intro to CS

EXPERIENCE

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- **Max Planck Institute for Plasma Physics** Munich, Germany  
*Research Assistant* Sep 2024 – Oct 2024
  - Assisted development of internal tools to assess next generation fusion reactor concepts
- **Tel Aviv University** Tel Aviv, Israel  
*Research Assistant* May 2024 – Present
  - Performing simulations to examine, study, and assist design of particle detector for an upcoming particle accelerator
- **Max Planck Institute for Plasma Physics** Greifswald, Germany  
*Research Assistant* Feb 2024 – Apr 2024
  - Performed data analysis on plasma profiles and turbulence characteristics in neutral beam injection heating and sensitivity study for transport analysis.
- **Institut national de la recherche scientifique** Montreal, Canada  
*Research Assistant* Oct 2023 – Jan 2024
  - Developed a machine learning algorithm to increase x-ray flux from laser wakefield acceleration by real-time correction of optical components
- **Tel Aviv University** Tel Aviv, Israel  
*Research Assistant* Aug 2023 – Oct 2023
  - Prepared CAD models and directed preparation for direct laser acceleration from heavy water microjet experiment
  - Assisted PhD student research on intense laser interaction with micro-bars
- **Weizmann Institute of Science** Rehovot, Israel  
*Research Assistant* Jul 2023
  - Awarded a full-ride scholarship to participate in international research program at the Weizmann Institute of Science
  - Processed and analyzed experimental data to examine theoretical predictions of ultra-light dark matter
  - Summarized research in a scientific paper and presented insights to experts
- **Middle East Entrepreneurs of Tomorrow** Jerusalem, Israel  
*Computer Science Teaching Assistant* Sep 2022 – Feb 2023
  - Instructed Python to over 60 high school students to enrich their existing curriculum.
  - Facilitated a virtual learning experience by providing mentorship, hosting office hours, and collaborating with team members to create bonding activities

LEADERSHIP & ACTIVITIES

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- **“Hapoel Beit Dani” Wrestling Club** Tel Aviv, Israel  
*Wrestler, Team Captain* Oct 2012 – Present
  - Competing on national and international level, past Israel national team member.
  - Involved in the organization, and motivation of a team of 30 wrestlers.

SKILLS & INTERESTS

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- **Technical Skills:** Python, JavaScript, CAD, LaTeX, Colab Notebooks, Photoshop, Illustrator
- **Foreign Languages:** Hebrew (Native), English (bilingual), Lithuanian (Proficient), Russian (conversational)
- **Interests:** Guitar playing, Vinyl collecting, Classical novels, Sustainability, Cycling, Chess