

## Education

- 2022 – present **Weizmann Institute of Science,**  
*Physics*, PhD, Quantum computing and quantum simulation with trapped ions,  
Advisor: Prof. Roei Ozeri
- 2019 – 2021 **Weizmann Institute of Science,**  
*Physics*, MSc,  
Advisor: Prof. Kfir Blum
- 2015 – 2019 **Faculty of Physics, University of Belgrade,**  
*Theoretical and Experimental Physics*, BSc  
GPA – 9.79/10

## Skills

Git  
Jupyter Notebook  
LaTeX  
Linux command line  
Mathematica  
Matlab  
Python  
ROOT  
Event Planning  
Outreach  
Public Speaking  
Presenting  
Project Management  
Seminar Organization

## Publications

{% for post in site.publications reversed %} {% include archive-single-cv.html %} {% endfor %}

## Teaching, Organizing

- 2024 – 2025 **Organizer of The AMOS Seminar,** *Faculty of Physics and Faculty of Chemistry, Weizmann Institute of Science*, A weekly seminar for journal clubs, invited speakers, and PhD defenses
- 2020 – 2022 **Tutor,** *Faculty of Physics, Weizmann Institute of Science*, Helping new MSc students with coursework

## Languages

**Serbian,** *Native*  
**English,** *Fluent*, TOEFL iBT Score:110/120 (Nov 2018)  
**Hebrew,** *Elementary*

## Conferences, Seminars, Talks, Posters

- 2025 **ECTI 2025, European Conference on Trapped Ions,** *Poster*, Digital predistortion of optical field of a fast and high-fidelity entangling gate for trapped ion qubits. Authors: J. Markov, Y. Shapira, N. Akerman, R. Ozeri. [Conference website](#)

- 2025 **Petnica Science Center, Physics Seminar, Valjevo, Serbia, *Workshop***, Quantum Computing Workshop (two-day, 8-hour hands-on course based on [Cambridge Quantum Computing syllabus](#), plus trapped ion quantum computing and lab tour)
- 2023 **Annual New Year Seminar, Faculty of Physics, University of Belgrade, Serbia, *Talk***, Quantum computers and what to do with them. (in Serbian)
- 2023 **54th Annual Meeting of the APS Division of Atomic, Molecular and Optical Physics, Spokane, Washington, *Talk***, Digital predistortion of optical field of a fast and high-fidelity entangling gate for trapped ions qubits. Authors: **JM**, Yotam Shapira, Nitzan Akerman, Roei Ozeri.
- 2023 **25th Annual SQUnT Workshop, Albuquerque, New Mexico, *Poster***, Programmable quantum simulations on a trapped-ions quantum computer with a global drive. Authors: **JM**, Yotam Shapira, Nitzan Akerman, Ady Stern, Roei Ozeri.
- 2018 **IPPOG CMS Masterclass, Belgrade, Serbia, *Workshop***, Helping participants with hands-on data-analysis exercises.

## Projects, Internships

- 2021 **MSc thesis, *Project: Ultralight dark matter: Ground state solutions in the presence of two fields***, Advisor: Prof. Kfir Blum

## Training/Courses

- 2015 IPPOG CMS Masterclass in Belgrade, Serbia
- 2015 Introduction to programming with MATLAB, Vanderbilt University (Coursera)
- 2014 LHCb Masterclass, Petnica Science Center, held by Vladimir Gligorov (LHCb collaboration)

## Memberships

- 2015 – present EMINETER - student organization of the Faculty of Physics, Belgrade University
- since 2015 Mathematical Grammar School Alumni Society (ALMAGI)
- 2017, 2018, 2024 Serbian Physical Society
- 2020 – present Israel Physical Society
- 2023 American Physical Society

## Awards

- 2016 1st place at student research paper competition in physics, at Primatijada 2016, regional event for students from Natural Science and Mathematics faculties, held in Albena, Bulgaria.
- 2015 "Vuk Karadi" diploma, Ministry of Education of the Republic of Serbia.
- 2012 – 2015 Won 3rd prize four years in a row at the national level highschool physics competition, organized by the Serbian Physical Society.

## Scholarships

- 2015 - 2019 Scholarship for exceptionally gifted high school and university students, awarded by the Ministry of Education, Science and Technological Development of the Republic of Serbia.
- 2013 - 2016 Scholarship given to high school students for their achievements on the national and international competitions during the previous calendar year, awarded by the Fund for Young Talents of the Republic of Serbia.
- 2013 Scholarship given to high school students for their achievements on the renowned competitions at home and abroad during the year 2012, awarded by The City Of Belgrade - City Administration.

## Other engagements

- 2016 - present Assistant at the Physics program, [Petnica Science Center](#), Serbia. Giving lectures and helping high school students working on research projects.
- 2024 Reviewer of 4th Grade problem sets, High School Physics Competitions (academic year 2023/24), organized by the Serbian Physical Society.
- 2017 – 2018 Member of committee at the National Physics Competition, organized by the Serbian Physical Society.
- 2015 – 2019 Engaged in science promotion activities with Faculty of Physics, University of Belgrade, demonstrating physics experiments at schools all across Serbia.
- 2014 – 2019 Journalist and speaker for "Step towards science" radio show, at the national radio station Radio Belgrade 1, with my own segment "And that's physics", where I talk about a certain topic from physics.
- 2013 – 2019 Science Demonstrator, Center for the Promotion of Science, Belgrade, Serbia.
- 2012 – 2017 Researchers Night (part of European Researchers Night project), Belgrade, Serbia. Organized several exhibits over the years. Also participated in demonstrating popular science experiments since 2012.
- 2012 – 2018 Serbian Science Festival, Belgrade, Serbia. Organized for several years the "Experteenager zone", part of the Festival where high schools participate. Organized several exhibits. Also participated in demonstrating popular science experiments since 2012.
- 2012 – 2017 Initiated and organized a School Science Festival, at my former Elementary school, which has been held for five consecutive years and has been seen by several thousand visitors. It has more than 80 exhibits which I made myself.
- 2010 – 2017 Writer at Viva fizika (Viva physics), a science popularization web portal in physics and astronomy.

## Other Interests

Hiking  
Photography  
Digital art  
History  
Language geek

## References

Kfir Blum, Professor, Weizmann Institute of Science, Israel  
Alexander Milov, Professor, Weizmann Institute of Science, Israel  
Vladimir Gligorov, research scientist (CRCN grade), CNRS, France

## Talks

{% for post in site.talks reversed %} {% include archive-single-talk-cv.html %} {% endfor %}