

# Amyad Spector

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## EDUCATION

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- 📅 2012-2014 M.Sc. In Physics  
**Weizmann Institute of Science** 📍 Rehovot, Israel  
» **Research area:** High energy astrophysics  
**Thesis title:** "What is the origin of the extraterrestrial neutrinos measured at the IceCube detector?"  
**Advisor:** Prof. Eli Waxman
- 📅 2001-2004 B.Sc. In Physics and Mathematics (two full degrees)  
**Tel Aviv University** 📍 Tel Aviv, Israel

## WORK EXPERIENCE

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- 📅 2014-present Physicist and Product Manager  
**Prime Minister Office (PMO)** 📍 Tel Aviv, Israel  
» Subject-matter expert, widely recognized
- 📅 2020 COVID-19 Mitigation Team Member  
**National Security Council Advisory Team** 📍 Israel  
» Founded several national COVID-19 mitigation projects, see page (2) for further information
- 📅 2004-2012 Researcher, Physics Department  
**Israeli Atomic Energy Commission (IAEC)** 📍 Israel  
» Manager of research programs in multidisciplinary theoretical and practical problems in diversified areas

## ADDITIONAL ACTIVITIES

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- » Member of inter-agency teams, comprised of senior experts, focused on national security challenges of special importance
- » **15 years of proven experience in solving a variety of real world interdisciplinary challenges**
- » **Planning and management of several multi-million dollar projects over entire life cycle i.e. seeding, incubating and developing to production, both in-house and outsourced**

## HONOR AND AWARDS

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- » **Outstanding achievement for young scholar** - Israeli Atomic Energy

## LANGUAGES

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- » Hebrew (native)
- » English (fluent)

## COVID-19 MITIGATION EFFORTS EXPERIENCE

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**2020 - Worked since the outbreak of the COVID-19 pandemic with the leading government agencies to analyze and suggest ways to mitigate the COVID-19 outbreak in Israel**

- Member of the National Security Council COVID-19 advisory team and the Hebrew University COVID-19 pandemic monitoring team. Our work has been presented regularly in the COVID-19 cabinet of ministers, and has been the scientific basis to some of the decision made by the government during this period
- Member of the Israeli Ministry of Health (MoH) COVID-19 aerosol transmission research team, devising strategies to implement institutional and public responses in confined places
- Co-founded, jointly with the Israeli MoH the first official Israeli epidemiological privacy preserving contact tracing app, "HaMagen":  
(<https://govextra.gov.il/ministry-of-health/hamagen-app/download-en/>)
- Co-founded, jointly with Prof. Dan Arieli, the Israeli MoH and the Federation of local authorities in Israel, "HaMadad Haleumi" A web service to assist local authorities in managing Covid-19 lockdown regulations
- Co-founded, jointly with the Jewish agency for Israel, "JReady" a digital platform that incorporates and combines solutions, tools and capabilities developed in Jewish communities around the world to deal with the current COVID-19 crisis and other emergencies (<https://www.jready.org/>)
- Special advisor to the Minister of Labor, Social Affairs and Social Services, in suggesting methods to mitigate COVID-19 outbreaks in Nursing homes
- Founder of the "Health-Visa" Initiative for COVID-19 personnel risk assessment privacy preserving App, presented for the Israeli ministry of finance request