

## Bar Oryan

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### EDUCATION

Doctor of Philosophy in geophysics.

*Sep 2016- current*

Lamont-Doherty Earth Observatory, Columbia university.

Advisors: Prof. Roger W. Buck.

Prof. Michael Steckler.

Master of Science in geophysics.

*July 2014 - July 2016*

Faculty of Exact Sciences, Department of Geosciences, Tel Aviv

University, Tel Aviv, Israel.

Advisor: Prof. Zvi Ben-Avraham.

- Thesis: New heat flow measurements of the Dead Sea and its implication on the heat flow paradox of the Dead Sea basin.
- GPA: 96/100.

Bachelor of Science: double major in geosciences and physics.

*Oct 2010- Jun 2014*

Faculty of Exact Sciences, Tel Aviv University, Tel Aviv, Israel.

- Geosciences: major in geophysics. GPA: 87/100.
- Physics. GPA: 81/100.

### PUBLICATIONS

- **Oryan, B.** & W.R. Buck (2019), Long-term slab dip reduction linked to short-term extension and tsunami earthquakes , Nature Geoscience, in review
- **Oryan, B.**, Villinger, H., Lazar, M., Schwab, M. J., Neugebauer, I., & Ben-Avraham, Z. (2019). Heat flow in the Dead Sea from the ICDP boreholes and its implication for the structure of the basin. *Quaternary Science Reviews*, 210, 103-112.
- Malinverno, A., Cook, A. E., Daigle, H., & **Oryan, B.** (2018). Glacial cycles influence marine methane hydrate formation. *Geophysical Research Letters*, 45(2), 724-732.

### AWARDS

- Dead's fellow, Department of Earth and Environmental Sciences, Columbia university. *2016*
- M.Sc. excellence scholarship, Tel Aviv University. *2015*
- Distinguished soldier award, Israeli defense forces. *2007*

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## **TEACHING EXPERIENCE**

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|---|--------------------|
| • Organized and led a geological field trip to Peru, Department of Earth and Environmental Sciences, Columbia university. | <i>Summer 2019</i> |
| • Teaching assistant, Lift systems, Department of Earth and Environmental Sciences, Columbia university.                  | <i>Spring 2019</i> |
| • Teaching assistant, Geodynamics, Department of Earth and Environmental Sciences, Columbia university.                   | <i>Fall 2018</i>   |
| • Designed and developed lab experiment emulating the heat flow of the Earth for an undergrad class, Tel Aviv university. | <i>Fall 2015</i>   |
| • AP calculus and electromagnetism tutor, undergrad students, Tel Aviv university.  | <i>Fall 2014</i>   |
| • Elementary school science teacher, Kathmandu, Nepal.  | <i>2010</i>        |
| • Oracle client course, intelligence corps, Israeli defense forces.   | <i>2007</i>        |

## **OTHER PROFESSIONAL EXPERIENCE**

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|---|------------------|
| • Oracle data base administrator and security manager, Visa Cal Ltd.          | <i>2011-2014</i> |
| • Oracle data base administrator, Glasshouse Ltd.                             | <i>2007-2009</i> |
| • Oracle data base administrator, intelligence corps, Israeli defense forces. | <i>2004-2007</i> |

## **COMPUTATIONAL SKILLS**

### Programming languages:

- Python.
- C.
- Matlab.
- Perl.

### Operating systems:

- Linux.
- Windows.