

Curriculum Vitae

Name Alexander Spiegelman
Date of Birth 14/01/1988
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Education

2014- **Studying towards a direct PhD** in the field of distributed systems. Supervised by Prof. Idit Keidar at the Israel Institute of Technology (“Technion”). Current GPA of 97.3.
2010- 2013 **BSc in Electrical Engineering** at the Israel Institute of Technology (“Technion”). Graduated Summa Cum Laude with a GPA of 93.8.

Publications

- A. Spiegelman, Y. Cassuto, G. Chockler, and I. Keidar: **Space Bounds for Reliable Storage: Fundamental Limits of Coding**
- Appeared at PODC 2016
- A. Spiegelman, G. Golan- Gueta, and I. Keidar: **Transactional Data Structure Libraries**
- Appeared at PLDI 2016.
 - Distinguished paper award
- A. Spiegelman and I. Keidar: **Dynamic Reconfiguration: A tutorial**
- Tutorial at OPODIS 2015
- G. Chockler, D. Dobre, A. Shraer, and A. Spiegelman: **Space Bounds for Reliable Multi-Writer Data Store: Inherent Cost of Read/Write Primitives**
- Brief announcement at DISC 2015
- A. Spiegelman and I. Keidar: **On Wait-Free Dynamic Storage with Infinitely Many Reconfigurations**
- Poster session at DISC 2015

Ongoing research

- A. Spiegelman E. Gafni, I. Keidar, D. Malkhi: **Optimal Dynamic Reconfiguration**
- A. Spiegelman and I. Keidar: **Snapshots in Dynamic Memory Models**
- H. Howard, D. Malkhi, and A. Spiegelman: **Flexible Paxos: Quorum Intersection Revisited**

Professional Experience

2016 **Summer Internship** in VMware research, Palo Alto
2015 **Summer Internship** in Yahoo Labs, Haifa
Teaching Assistant in Introduction to probability theory
Teaching Assistant in principles of distributed algorithms
2014 **Teaching Assistant** in networking and internet course
2012 -2014 **Mellanox:** Student position in the Architecture department
2006-2009 **Military Service:** Served in the IDF Special Forces Search and Rescue Unit 669

Honors and Achievements

PhD:

Distinguished Paper Award in PLDI 2016
Winner of Azrieli Foundation Fellowship

MSc:

Winner of Mayer award for academic excellence
Winner of Dr. Jacob Isler Foundation award

Bachelor's degree:

Member of the EE Department's Excellence Programs
President's list, Dean's list in all Semesters
Winner of Intel award for academic excellence
Winner of Freescale award for academic excellence

Invited Talks:

Highlight paper in SYSTOR 2016
Seminar at Tal Aviv University
Tutorial in OPODIS 2015

Professional Skills

C, C++, Erlang
Experience with network protocols – Ethernet and InfiniBand

Language Skills

Hebrew, Russian– fluent
English- good level