

Curriculum Vitae

Name Alexander Spiegelman
Date of Birth 14/01/1988
Address Habshan 30/4, Y`okneam, Israel
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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 IIT”). Current GPA of 97.3.
2010- 2013 **BSc in Electrical Engineering** at the Israel Institute of Technology (“Technion IIT”). Graduated Summa Cum Laude with a GPA of 93.8.

Publications

G. Chockler and A. Spiegelman: **The Space Complexity of Fault Tolerant Register Emulations**

- To appear at PODC 2017

A. Spiegelman and I. Keidar: **On Liveness of Dynamic Storage**

- Appeared at SIROCCO 2017

H. Howard, D. Malkhi, and A. Spiegelman: **Flexible Paxos: Quorum Intersection Revisited**

- Appeared at OPODIS 2016

A. Spiegelman and I. Keidar: **Dynamic Atomic Snapshots**

- Appeared at OPODIS 2016

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

Technical reports

A. Spiegelman, I. Keidar, D. Malkhi: **Optimal Dynamic Reconfiguration**

I. Abraham, D. Malkhi, K. Nayak, L. Ren, and A. Spiegelman: **Solidus: An Incentive-compatible Cryptocurrency Based on Permissionless Byzantine Consensus**

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:

- Winner of the Wolf Foundation award for PhD students
- Distinguished Paper Award in PLDI 2016
- Winner of the 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:

- TDC seminar, CS department, Technion
- Google, Palo Alto
- 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