

## 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”). 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

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

- To appear at OPODIS 2016

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

- To appear 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

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, I. Keidar, D. Malkhi: **On Wait-Free Dynamic Storage with Infinitely Many Reconfigurations**

- Poster session at DISC 2015

### Technical reports

A. Spiegelman E. Gafni, 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:**

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:**

Google, Palo Alto  
Highlight paper in SYSTOR 2016  
Seminar at Tel 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