Arik Rinberg

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Education

Technion — Haifa, Israel
Ph.D. Candidate in Electrical Engineering (direct track), Advisor: Idit Keidar — 2018–Current

- Current GPA 96.4/100

Technion — Haifa, Israel
B.Sc. in Computer Engineering, *Summa Cum Laude* — 2014–2018

- GPA 96.2/100, top in my year (out of 71 students)
- Alumnus of the EMET Excellence Program
- President's list 7/8 semesters, Dean's in the 8th

Experience

IBM Research — Tel Aviv, Israel
Summer Research Internship — Summer 2020

VMware Research Group — Hertzaliya, Israel
Summer Research Internship — Summer 2019

Microsoft — Haifa, Israel
Software Engineer — 2017 –2018

Intel — Haifa, Israel
Software Engineer — 2015 –2017

Teaching

- **Teaching Assistant** — 2021 – Current
  Digital Systems and Computer Structure
- **Teaching Assistant** — 2019 – 2021
  Structure of Operating Systems
- **Undergraduate project supervisor** at Technion — 2018 – Current
- **Head Teaching Assistant** — 2018–2019
  Logic Design and Introduction to Computing

Fellowships and Awards

- Gutwirth and Jacobs fellowship — 2019–2020
- DISC'20 Best Student Paper award — 2020
- VATAT Interdisciplinary Research program award — 2020
- Meyer excellence award — 2018
- Ariel Pintzi excellence prize — 2016

Service

- **DISC'20**
  Organizing Committee Member
- **PODC'21**
  External Reviewer
- **PODC'20**
  External Reviewer
- **USENIX ATC'20**
  External Reviewer

Publications

Conference Publications

1. D. Harris[†], **A. Rinberg**[†], and O. Rottenstreich, "Distributed Sketching with Traffic-Aware Summaries", in *20th Annual IFIP Networking Conference 2021*, IFIP Networking'21, [†] - Equal Contribution

2. **A. Rinberg** and I. Keidar, "Intermediate value linearizability: A quantitative correctness criterion", in *Proceedings of the 34th Symposium on Distributed Computing*, DISC'20 - **Best Student Paper**

3. A. Spiegelman, **A. Rinberg**, and D. Malkhi, "ACE: Abstract Consensus Encapsulation for Liveness Boosting of State Machine Replication", in *Proceedings of the 24th Conference on Principles of Distributed Systems*, OPODIS'20

4. **A. Rinberg**, A. Spiegelman, E. Bortnikov, E. Hillel, I. Keidar, L. Rhodes, and H. Serviansky, "Fast Concurrent Data Sketches", in *Proceedings of the 25th ACM SIGPLAN Symposium on Principles and Practices of Parallel Programming*, PPoPP'20

Short Papers and Brief Announcements

1. **A. Rinberg**, T. Solomon, G. Lushi, R. Shlomo, G. Khazma, and P. Ta-Shma, "Array CRDTs Using Delta-Mutations", in *Proceedings of the 8th Workshop on Principles and Practice of Consistency for Distributed Data*, PaPoC'21

2. **A. Rinberg** and I. Keidar, "Brief Announcement: Intermediate value linearizability: A quantitative correctness criterion", in *Proceedings of the 39th Symposium on Principles of Distributed Computing*, PODC'20

3. **A. Rinberg**, A. Spiegelman, E. Bortnikov, E. Hillel, I. Keidar, and H. Serviansky,"Brief Announcement: Fast Concurrent Data Sketches", in *Proceedings of the 2019 ACM Symposium on Principles of Distributed Computing*, PODC'19