

## EDUCATION

### PhD in Computer Science (In Progress)

Yale University

2013 — Present

### MS in Computer Science

Yale University

2013 — 2015

- Workload completed, degree pending

### Bachelor of Arts

Yeshiva University

2009 — 2013

- Major: Computer Science
- Minor: Mathematics
- GPA: 3.896
- Computer Science and Math GPA: 3.959

### Studies Abroad

Yesodai Hatorah, Beit Shemesh, Israel

2008 — 2009

## RESEARCH

### Physical Log based State Machine Replication

- Ongoing research effort in a log-like abstraction which can take advantage of ordering constraints weaker than sequential consistency

### Driver Verification

- Part of the effort to verify the CertiKOS research OS driver stack
- Toward Compositional Verification of Interruptible OS Kernels and Device Drivers. In *PLDI 2016*. Forthcoming research paper.

### Maintainer of CertiKOS Research OS

- Basis of the ground team for the DARPA HACMS Phase II deliverable
- Sufficiently implemented to run an autonomous vehicle controller

### Developed CertiKOS Shared Memory communication

- Primary interprocess and inter-VM communication mechanism for CertiKOS

### Ported CertiKOS to ARM

### Large-Corpus Text classification

Bar-Ilan University

- Summer 2013 project

# ACADEMIC APOINTMENTS

## Teaching Fellow

2014 — Present

- Building Decentralized Systems
- Advanced Cloud Computing
- Datastructures and Programming Techniques
- Introduction to Programming

# AWARDS AND HONORS

## Yeshiva University

- Professor Jekuthiel Ginsburg Memorial Award for Excellence in Mathematics and Computers
- Dean's List (all semesters)
- Wilf Family Distinguished Undergraduate Scholarship