

Excellent problem-solving, teamwork and leadership skills demonstrated across years of experience. Frontend/backend engineer, full stack mobile & web, hardware hacker, product manager and educator. Looking for a challenging leading position.

## Professional Experience

### **MIT Media Lab**

#### **Research Assistant**

**Cambridge MA, USA**

*Aug 2013 - Present*

- Developing a system that gives people control and ownership over their digital personal data using a decentralized peer-to-peer platform built with blockchain technology; Backend built with MongoDB, Node.js and Python
- Leading and managing teams of engineers to produce prototypes for demonstration at the biannual MIT ML member's conference
- Created a cross-platform WebGL based library called Sphera, that orchestrates different sensors and input devices to facilitate and optimize the development of technologies for virtual reality and digital immersion environments
- Built and developed a collaborative, multi-touch, hemispheric display called the Crystal Ball, for a smart remote control WebGL based application that provides individual and group recommendations, for media selection; Group can also be physically in remote locations

### **The Israeli Android Association**

#### **Co-Founder**

**Tel Aviv, Israel**

*Oct 2011 - Sep 2013*

- Formed a community of engineers, designers, managers and entrepreneurs with over 2000 members
- Presented at and organized events, hackathons, lectures and labs on Android, web and ADK technologies

### **Bizzabo**

#### **Senior Android Technical Lead**

**Herzliya, Israel**

*Apr 2012 - Aug 2013*

- Designed and built the architecture of the Android client; Optimized for most OS versions
- Improved the overall Android client performance and memory management which reduced customer's complaints by over 40%
- Developed a sophisticated peer-to-peer broadcasting mechanism which increased engagement in low internet connectivity

### **Vidmind**

#### **Senior Android Engineer**

**Tel Aviv, Israel**

*Apr 2011 - Apr 2012*

- Led a team of two engineers in developing the architecture and implementing a large scale set-top box system
- Developed the backbone logic of the entire application integrating high performance, multi threaded solutions that highly improved the user experience using Agile methodologies (Scrum, XP) and practices (TDD, CI)

### **Pointer Telocation Ltd**

#### **Team Leader**

**Rosh ha'ayin, Israel**

*Oct 2009 - Apr 2011*

- Managed a team of two engineers in developing a cross platform mobile application system (iOS, Android)
- Designed and developed both the frontend and the backend of multi users web applications

### **SoundSpot**

#### **Co-Founder, CTO**

**Herzliya, Israel**

*Oct 2009 - July 2010*

A Media Innovation Lab spinoff for a location based music discovery network

- Modeled and characterized industry and market needs, identifying segments and product positioning
- Presented and demonstrated the product in front of C-level executives and in conferences
- Designed and developed SoundSpot mobile application; invented Sound-Gestures which provided a strong competitive advantage

### **Israel Defense Forces, Intelligence/Telecommunications Corps**

#### **Team Leader**

**Israel**

*Dec 2002 - Nov 2005*

- Managed seven instructors and 150 cadets in System Administrators course
- Improved department's efficiency through establishment and curriculum design of pre-training course in software programming

## Education

### **Massachusetts Institute of Technology**

Master of Science in MAS program at the MIT Media Lab, GPA: 5.0/5.0

**Cambridge MA, USA**

*Aug 2013 - June 2015*

- Thesis: "Private Block - Blockchain For Data Privacy", under the supervision of Prof. Andrew Lippman
- Received a full Research Assistantship of \$200,000
- Teacher Assistantship in How to Make (almost) Anything course (MAS.863/4.140) - 2014
- Winner of MIT Bitcoin Summer Startup Competition - 2014

### **The Interdisciplinary Center**

Bachelor of Arts (Hon.) in Computer Science, minor in Business Administration at Efi Arazi School of Computer Science

**Herzliya, Israel**

*Oct 2007 - Jun 2010*

- Wharton School of Business at the University of Pennsylvania: One of three students selected for an exchange program - 2008
- Recipient of the Dean's list award of academic excellence - 2008

## Additional Information

### **Google**

#### **Mentor**

**Tel Aviv, Israel**

*May 2012 - Aug 2013*

- Technology and product mentor for startups in Google's Launchpad accelerator; Led startups to solving challenging technical problems

### **Outbox**

#### **Advisory Board Member**

**Tel Aviv, Israel**

*Aug 2010 - Aug 2013*

An NPO that creates equal opportunities for talented young designers, artists and illustrators with over 1 Million NIS yearly income

- Provided counseling in general management decisions, goals and targets, projects roadmap and technology