

**AVNER SANDER**

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**Status** Married+3

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Looking for a challenging positions in leading multi-disciplinary development of systems with an emphasis on state of the art technology

### **2018- Today Elbit Systems (HMD Systems, Airborne Division)**

*Team leader- optical tracking technology*

Leading a system engineering team in charge of all optical tracking and optical technologies activities in HMD.

PO for tracker development agile team.

- Managing a team of 5 engineers
- Managing the optical tracking system development efforts for all platforms (Military FW & RW, Civil)
- Managing Development and upgrade of complex systems with various development teams in SW, HW, FW, Mechanics, Optics, environmental and more.
- Development Schedule planning
- New features development

### **2016- 2018 Elbit Systems (HMD Systems, Airborne Division)**

*System Engineer*

Part of optical tracking technologies development team, responsible for optical tracking for a major commercial project

- Validation of optical technologies for commercial aviation standards
- Versatile and multidisciplinary interfaces (SW, HW, QA, Business, Mechanical and more)
- Development of future head mounted systems

### **2013- 2016 Microsoft Israel R&D**

*Principal HW PM (Hololens)*

Responsible for depth sensing system development and integration. Overlooking a variety of domains including board design, Optics, Image sensor, manufacturability, assembly, reliability, test and performance.

- Project planning including spec, resources, milestone and deliverables definition, detailed schedule planning and execution.
- Ownership of intra-corporate communication and cooperation with dev, test and product teams, meeting product requirements and schedule.
- Ownership of strategic external partner relationships- SOW preparation and monitoring cadence and execution

### **2011-2013 Microsoft Israel R&D**

*Senior HW PM (XBOX)*

Responsible for depth camera development

- Planning development cycles including spec, resources, milestone, detailed schedule planning and execution.
- Cooperation with dev, test and product teams.
- Strategic external partner relationships- monitoring cadence and execution

### **2009-2011 Microsoft Israel R&D**

*Architect for optoelectronic systems (XBOX)*

Design and development of laser based illumination systems

### **2002-2009 3DV Systems**

*Opto-electronic Device engineer*

Managing a team of 2 lab technicians

Designing Device structure and material for optimal performance

Developing and implementation of manufacturing processes in external foundries (Israel & USA)

Developing and implementation of assembly processes

### **1998-2002 3DV Systems**

Process engineer

Owner of GaAs optoelectronic device manufacturing process development from ground up.

### **1994-1998 Technion Israeli Institute of Technology**

*BSc (cum laude) Chemical engineering*

Major in both Material and environmental engineering.

### **1991-1994 Israeli Navy**

### **Courses & Additional Qualification**

- Effective presentation skills (Barry Katz Ltd)
- Working across cultural borders (Microsoft internal course)
- Laser safety officer
- Advanced optical design

### **Patents**

Gated 3D camera      8,681,321 (Awarded March 2014)

### **Languages**

Fluent in Hebrew (native) and English.

Basic communication skills in German