# Shlomi Hanassy

**Objective:** Seeking a challenging role as a Machine learning or Deep learning (ML/DL) R&D leader to leverage my extensive experience

**Professional Summary:** Results-driven ML/DL technology Project Manager and Entrepreneur with a proven track record in deep learning, and project leadership. Adept at establishing and managing high-performance development teams, driving project success from conception to integration, and excelling in complex algorithmic implementations. Holds a distinguished academic background with a Master's degree and as previous PhD student in the filed Biomechanics and artificial vision at **computational neurobiology labs,** showcasing excellence in Artificial Intelligence and Advanced Programming.

## Work Experience:

**ML/DL** solutions development and integration, leading algo & SW
*2024-Current Hanassy R&D* ([hanassyil.com/ai-solutions](hanassyil.com/ai-solutions))

- **ML/DL SaaS solutions integration -** Embedding and developing SaaS services and bots, train and integrate GPT and DL solutions
- **Violence AI/DL scenario detector and bot –** SaaS development and embedding AI scenario detection solutions for violence detection in kindergarten
- **Painter robot –** developing ML, algorithms and SW for color paintbrush robot 3d printer upgrade, GCODE and Arduino
- Full model lifecycle

**Algo senior**
*2022-2023 -Xsight systems*

- Leading the ASDU project for acoustic surface detection on runways using sound localization, **DLE** on Yament (Python, C/C++ and C#).
- Vision-upgrade runway surface detection unit (SDU) system for improved deep learning architecture **DLE** on convolutional networks
- Full model lifecycle

## Personal information

Male Married +3

Ramat Gan, IL

shlomo.hanassy@gmail.com

054-4831088

1980

## Languages

**Hebrew-** native

**English-** fluent

## Key skills

- **Deep Learning, Computer vision, Computer audition and robotics**

- **Models training, life cycle and embeddings**

- **DLE/MLE, Extensive knowledge and experience using solutions**

- **Python, Tensorflow, Nvidia, Colab, Cuda**

- **Windows/Linux**

- **GPT training and integration**

- **Backend and SaaS**

- **Java, Matlab, C/C++, C#, node.js,**

### DLE and Vision Algo Expert
*2021 Illumigyn*

- Semantic segmentation of cancer and suspicious ROIs using UNet on colposcopy cervix images. (Python, Java and flutter)
- Full model lifecycle

### Ecommerce Full stack
*2021 El-classificado*

- Full stack development of a web app with features in the field of advertisement. (C# and Spring.NET)

### Entrepreneur, DLE Algorithms, and Project Manager
*2020-2021 Hanassy Research and Development Ltd. (hanassyil.com)*

- Led the Corona Project, developing a system for monitoring lung functions and spirometry.
- Established and managed a team for the second phase of the project, including experts and Ph.Ds.

### ML Feasibility Study and Software System Construction
*2020 Topaz Medical Centers - The Laboratory of Prof. Benny Hochner*

- Developed a three-dimensional magnetic scanner and 3D printing-based software in Matlab.
- Built SVC-based Big Data Network in Python with Deep Learning.

### Industrial 3d printing optimization Algorithms Development and Applications, Full Stack- SaaS Server
*2019 Castor*

- Characterization, development, and implementation of algorithms for optimizing three-dimensional industrial printing processes.
- Server development, service, and API suitable for platforms (RabbitMQ, Docker, Kubernetes) and different languages (C++, Java), including QT++ Linux and MS.

### Computer vision defect detection, product owner, Expert Developer, and Implementer of Algorithms
*2019-2016 Applied Materials*

- Implementation and packaging of algorithms for a quality control microscope in the chip industry (Matlab, Java, Python).
- Project management in front of customers, including PDR, SRS, etc. (Hands-on).
- SCRUM in front of the Gruming team.
- Writing algorithms in the field of image processing, computer vision, and machine learning.

---

- Cross platform knowledge and experience including flutter and Android

- Arduino and prototypes

- Team Leadership, CTO including electric and mechanical engineers

- Technical Documentation (SDS, PDR etc., SW Design)

- Experience in Mechanical and electrical design tools- Fusion360 and SolidWorks

- Software Product Ownership

- Project Management

**Director of Research and Development Team and Founder, Freelance, Licensed Dealer**
*2012-2016  Hanassy Research and Development*

# Education:

**Ph.D. Candidate (Studies Discontinued) – Computational neurobiology labs, Brain Research, Computer Vision, and Biotechnology**
*Hebrew University of Jerusalem (2011-2007)* with scholarship

- **Neural networks, information and machine learning principals advanced studies**
- Developed vision substitutes for the blind, focusing on f-MRI scanning methods.
- Received the Israel-Canada Medical Research Institute Award.

**M.Sc. Medical and computational neurobiology**
*Hebrew University of Jerusalem (2007-2005)* with scholarship

- Thesis in movement research, robotics, and machine learning.

**B.Sc. in Medicine (continuing studies)**
*Hebrew University of Jerusalem (2005-2004)* with scholarship

**B.A. Interdisciplinary in Computers and Management**
*The Open University (2004-2001)* Graduated with honor

**Military Service:** *Communication Corps (2003-2020)*

- Reserves, First Sergeant (Rasar) (2002-2020)
- Communication Technology Technician (2002-1999) - excellency

**Recommendations:** Available on demand, with more than 3 recommenders, including a Ph.D. in R&D in the industry.