

DOTAN DI CASTRO

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SUMMARY

Expertise: AI R&D Managing, Phd in Reinforcement Learning and AI, Robotacist, and AI Expert;
Current Role: Group and Lab Manager at Bosch-AI, Haifa, Israel. Research and Impact Manager;
Academics: ~ 860 Google Scholar citations (~ 30 Journal and Conference papers in NeurIPS, ICML, ICRA, IROS, JMLR, RAL, etc.);
IP: ~ 25 Patents in US, DE;
Community Service: AC and Reviewer in AI leading conferences.
Linkedin: <https://www.linkedin.com/in/dotan-di-castro-b0a99039/>
Github: <https://github.com/dotd>
Full CV <https://dotd.github.io/DotanDiCastroCVMay2022.pdf>

ABOUT

I am a **Reinforcement Learning Expert**. My main interests are building **autonomous systems** whether virtual or real (like in **manipulation robotics**) in the high and low tech industries. I like to **apply AI to solve real problems** as an **individual contributor** as well as a **manager**.

WORK EXPERIENCE

Bosch AI Research: Group Manager, Robotics Lab Manager, and Site Manager July 2018 - Present
Mission: Founded a group for Bosch AI Research. Implemented 3-fold mission of:
(1) Impact on Bosch products.
(2) Doing Research
(3) Building IP Stack
Responsibility: hiring people; establishing research and IP agenda; guiding a group of 15 research scientists, engineers, and interns; Running the lab and site;
Notable projects: RL for Autonomous Dozer | Smart Item Picking using robotic arms | Scheduling using RL | Insertion using robotic arms | Video predictions for 2WP/4WP.

Senior Research Scientist, Yahoo! Labs, Haifa, Israel 2013 - 2018
Working mainly in Yahoo Mail and Ads products. Technical lead of Automatic Extraction.

CTO Modana (Startup) 2012 - 2013
Role: Modana developed a context aware product for mobile sensing using the smartphone.

Research Scientist, Pulsar Investments Inc. 2009 - 2012
Role: Research scientist in an algorithmic trading startup. Main market: CME.

IBM Research 2000 - 2004
Student Apprentice

EDUCATION

Postdoc in EE, Technion, Israel 2010 - 2011
Host: Prof. Shie Mannor

PhD in EE, Technion, Israel 2006 - 2010
Thesis: *Aspects of Actor-Critic Algorithms: Theory and Experiments*. Advisor: Prof. Ron Meir

MSc in EE, Technion, Israel 2004 - 2006
Thesis: *Population Behavior of Neural Networks*. Advisor: Prof. Ron Meir

BSc in EE, Technion, Israel 2004 - 2006
Cum Laude

TECHNICAL SKILLS

- Languages (Proficient): Python, Java, Scala
- Deep Learning frameworks: PyTorch, Keras
- Big Data frameworks: Spark, Hadoop, Docker