TOM YAACOV

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EDUCATION

Ph.D. in Computer Science *Ben-Gurion University of the Negev, Beer Sheva, Israel*   2021 - present

M.Sc. in Computer Science *Ben-Gurion University of the Negev, Beer Sheva, Israel*   2018 - 2020
· Dean's list. Majored in Intelligent Systems.

B.Sc. in Industrial Engineering *Ben-Gurion University of the Negev, Beer Sheva, Israel*   2013 - 2017
· Majored with distinction in Information Systems.

High School *Hebrew Gymnasium, Jerusalem, Israel*   2006 - 2008

MILITARY SERVICE

50th Battalion *Nahal Brigade*   2009 - 2012
· Full combat military service.
· Positions held during the course of service: Squad CMD, Platoon Sgt, Company SGM.

PROFESSIONAL EXPERIENCE

Co-Founder & CTO *PostPro*   2020 - 2022
· Leading research and development of an AI based assistant for photographers in post production.
· Establishing cloud based infrastructure for various products.
· Building Machine Learning and Computer Vision based technology solutions.

Data Scientist *Advanced Analytics Group, Intel*   2016 - 2018
· Analyzing a wide range of business data.
· Establishing Machine Learning and Data Mining based technology solutions.
· Leading research stages in a variety of projects.

System Analyst *Advanced Analytics Group, Intel*   2015 - 2016
· Identifying, analyzing and characterizing customer needs and systems to design technological solutions.
· Supporting projects throughout all stages: characterization, analysis, planning, testing and implementation.

AWARDS AND HONOURS

- **Kreitman school excellence doctoral fellowship award** *Ben-Gurion University of the Negev*   2021
- **Dean's list** *M.Sc. in Computer Science, Ben-Gurion University of the Negev*   2020
- **Departmental Distinction** *B.Sc. in Industrial Engineering, Ben-Gurion University of the Negev* 2018

PRESENTATIONS

- ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems Companion (MODELS-C), 2019.

VOLUNTEERING AND EDUCATIONAL WORK

Year of Service Volunteer *Scout Movement Program* 2008 - 2009
· Tribe Coordinator - logistic and educational management of 200 youth members.

Member of "Modiin Tribe" *Scout Movement Program* 2000 - 2008
· Facilitator, Coordinator and Team Leader.
· Responsible for youth with special needs.

PUBLICATIONS

- * A. Elyasaf, T. Yaacov, and G. Weiss, "What petri nets oblige us to say comparing approaches for behavior composition," *IEEE Transactions on Software Engineering*, no. 01, pp. 1–15, Oct. 2022, ISSN: 1939-3520. DOI: `10.1109/TSE.2022.3216683`

- * A. Elyasaf, A. Sadon, G. Weiss, and T. Yaacov, "Using behavioural programming with solver, context, and deep reinforcement learning for playing a simplified robocup-type game," in *2019 ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems Companion (MODELS-C)*, 2019, pp. 243–251 (Cited by 12)

* Equally contributing authors.

TEACHING

Teaching Assistant *Ben-Gurion University of the Negev, Beer Sheva, Israel* 2018 - 2019, 2021 - present
· Courses - Python Programming, Data Structures.
· Teaching academic materials on a weekly basis before an audience of students and facilitate their learning.

PROJECTS

BPpy *Behavioral Programming in Python*
· Environment for developing, running and analyzing behavioral programs written in python.
· Available in `https://github.com/bThink-BGU/BPpy`