

Yael Vinker

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Education

- **P.hD student in Computer Science** (Computer Vision, Deep Learning) 2021 - Current
Tel Aviv University, Israel
 - Supervisors: Prof. Daniel Cohen-Or and Prof. Ariel Shamir
 - Research topics: creativity, generative models, human perception
- **M.Sc. in Computer Science** (Computer Vision, Deep Learning) 2019 - 2021
The Hebrew University of Jerusalem, Israel
 - Supervisor: Prof. Raanan Fattal
 - Thesis: "Unpaired Learning for High Dynamic Range Image Tone Mapping"
 - GPA: 95
- **B.Sc. in Computer Science and Visual Communication** 2016 - 2019
The Hebrew University of Jerusalem and Bezalel Academy of Art and Design, Israel
 - Included in the Dean's list for 2017
 - Honors: *cum laude* (GPA: 94)

Publications

- Shir Iluz*, Yael Vinker*, Amir Hertz, Daniel Berio, Daniel Cohen-Or, Ariel Shamir. "Word-As-Image for Semantic Typography", (*SIGGRAPH 2023*)
- Hila Chefer*, Yuval Alaluf*, Yael Vinker, Lior Wolf, Daniel Cohen-Or. "Attend-and-Excite: Attention-Based Semantic Guidance for Text-to-Image Diffusion Models", (*SIGGRAPH 2023*)
- Yael Vinker, Yuval Alaluf, Daniel Cohen-Or, Ariel Shamir. "CLIPascene: Scene Sketching with Different Types and Levels of Abstraction", (*under review for ICCV 2023*)
- Yael Vinker, Ehsan Pajouheshgar, Jessica Y. Bo, Roman C. Bachmann, Amit Bermano, Daniel Cohen-Or, Amir Zamir, Ariel Shamir. "CLIPasso: Semantically-Aware Object Sketching" *ACM Transactions on Graphics (SIGGRAPH 2022)*, **Best Paper Award**
- Yael Vinker, Inbar Huberman, Raanan Fattal. "Unpaired Learning for High Dynamic Range Image Tone Mapping" *IEEE International Conference on Computer Vision (ICCV 2021)*
- Yael Vinker*, Eliahu Horwitz*, Nir Zabari, Yedid Hoshen. "Image Shape Manipulation from a Single Augmented Training Sample" *IEEE International Conference on Computer Vision (ICCV 2021)*. Accepted for **oral presentation**

Experience

- **Student Researcher, Google Research** November 2022 - Current
Creative Camera team, Google TLV
 - Conducted research in the field of text-to-image diffusion models
- **Research Intern, Summer@EPFL** Summer 2021
École polytechnique fédérale de Lausanne, Switzerland
 - Supervised by Prof. Amir Zamir at VILAB- Visual Intelligence and Learning Lab
- **Research Intern, Disney Research** February 2021- June 2021
DisneyResearch|Studios in Zurich, Switzerland
 - Supervised by Dr. Christopher Schroers and Dr. Roberto Azevedo
 - Deep learning for content-aware video compression
- **Software Engineer Intern, Google** July 2019 - March 2020
LiveResults Proactive team, Google TLV
 - Creating notifications and cards to display on the main page of the Google discover app

- **Software Engineer Intern, Google** August 2018 - January 2019
OneGoogle team, Google TLV
 - Creating common UI components used by all of Google's mobile apps
- **IDF, The Technological Unit of the Intelligence Corps,** 2014 - 2016
 - Project Leader - managing, connecting, and guiding multidisciplinary teams

Teaching

- **Neural Networks for Computer Graphics at Tel Aviv University** 2023
 - Lecturer with Prof. Daniel Cohen-Or
 - Developed the course content and logistics from scratch
- **Seminar in Neural Networks-Based Graphics at Tel Aviv University** 2022
 - Teaching assistant with Prof. Daniel Cohen-Or

Community Involvement

- **Mentee and community member at Woman2Woman, 8200 Alumni Association** 2021
 The program promotes talented women through personal mentoring processes with leading women from different frameworks in Israeli society
- **Mentor at Meduyakot, Tel Aviv University** 2021
 The program aims to strengthen women's presence and leadership in exact sciences, in the program I serve as a mentor to female master's students

Programming and Software knowledge

Python, Pytorch, matlab, Java, latex, Android, C++, academic and work hands on experience.

Languages Hebrew- native, English- fluent