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 in machines, 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

- 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

- **Research Intern, Summer@EPFL**   Summer 2021
  École polytechnique fédérale de Lausanne, Switzerland
  - Supervised by Prof. Amir Zamir at VILAB- Visual Intelligence and Learning Lab
  - Unsupervised sketches synthesis from images

- **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

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

Projects

- **End-to-end single image generators without GANs**, link to project
    - Supervised by Dr. Yedid Hoshen
    - Using non-adversarial methods to train generative models from a single image

- **Smart Signs- MyWay,** T-hack, multidisciplinary hackathon of the Technion, "smart cities" challenge
    - Using light polarization (LCD) technology
    - Designing and implementing an electronic system that operates with a bluetooth arduino

- **3D object projection formulation as end-to-end learning problem**
  Computer Vision Course, The Hebrew University of Jerusalem

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

Languages Hebrew- native, English- fluent