

Yael Vinker

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Education

- **M.Sc. in Computer Science** (Computer Vision, Deep Learning), 2019 - 2021
The Hebrew University of Jerusalem
 - 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
 - Included in the Dean's list for 2017
 - Honors: *cum laude* (GPA: 94)

Research Experience

- **Unpaired Learning for High Dynamic Range Image Tone Mapping**
Master's thesis, supervised by Prof. Raanan Fattal
 - Unsupervised GAN based approach for HDR tone mapping
 - The method produce artifact-free LDR renditions of highly challenging HDR images
- **Deep Learning for Content Aware Video Compression**, Disney Research internship project, supervised by Dr. Christopher Schroers and Dr. Roberto Azevedo
 - Rate distortion curve prediction based on content
- **Deep Single Image Manipulation**, supervised by Dr. Yedid Hoshen, [link to project](#)
 - GAN-based method for image manipulation tasks using a single image dataset
 - Presented in ECCV 2020 "Deep Internal Learning" workshop
- **End-to-end single image generators without GANs**
Supervised by Dr. Yedid Hoshen, [link to project](#)
 - Using non-adversarial methods to train generative models from a single image

Work Experience

- **Disney Research, Research Intern**, 02.2021 - 06.2021
 - Using state of the art action recognition networks for RD curve prediction
 - ffmpeg and Pytorch programming
- **Google, Software Engineer Intern** (LiveResults Proactive team), 07.2019 - 03.2020
 - Creating notifications and cards to display on the main page of google discover app.
 - Java and C++ programming
- **Google, Software Engineer Intern** (OneGoogle team), 08.2018 - 01.2019
 - Creating common UI components used by all of Google's mobile apps.
 - Built the team's Catalog App for Android developers. The Catalog is an internal Google app that demonstrates the UI components that are supplied by the team

- **IDF, The Technological Unit of the Intelligence Corps, 2014 - 2016**
 - Project Leader - Managing, connecting and guiding multidisciplinary teams.
 - Field Operation - Instruction of elite unit warrior teams.
 - Presentation of research conclusions to a large audience including senior executives.

Projects

- **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
- **Gallery Optima** Android Project Course, The Hebrew University of Jerusalem
 - Android programming
 - Implementing image processing algorithms, App planning and designing

Programming and Software knowledge

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

Languages Hebrew- native, English- fluent