

Hila Mor

Researcher, Interaction Designer, Artist

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EDUCATION	Massachusetts Institute of Technology, Media Lab Cambridge, MA Tangible Media Group – advisor: Professor Hiroshi Ishii M.S. Media Arts and Sciences Thesis title: 'Venous Materials: Towards Interactive Fluidic Mechanisms' GPA: 5.00 / 5.00	2018 – 2020
	Bezalel Academy of Art and Design, Jerusalem Bachelor of Design (B.Des.) Cum Laude in Product Design <i>With top grades and honored final project</i> GPA: 91.87 / 100	2012 – 2016
EXPERIENCE	Hila Mor Studio Israel Interaction Designer and Researcher <ul style="list-style-type: none">• Collaborator with Tangible Media Group, MIT: R&D consulting on 'Venous Materials' project.• R&D projects collaborating with academia and industry internationally.	Aug 2020 – present
	Tangible Media Group, MIT Cambridge, MA Research Collaborator <ul style="list-style-type: none">• Thesis project 'Venous Materials' funded by Media Lab Member Company.• Lead collaboration with a professional team in Japan to develop 3D printed microfluidic technology for creative educational tools and interactive packaging applications.	Nov 2020 – Jul 2020
	Tangible Media Group, MIT Cambridge, MA Research Assistant <ul style="list-style-type: none">• Lead the invention, development, and fabrication of interactive microfluidics 'Venous Materials' with a team from Computer Science, Mechanical Engineering, and Architecture.• Contributed to collaborative projects: 'OmniFiber,' 'Orbiting,' 'Choreographic Interfaces.'• Supervised and collaborated with two Ph.D. candidates, visiting students from KTH and DTU. Mentored two MIT undergrads and a visiting researcher from Tsinghua University.	Sep 2018 – Aug 2020
	Hila Mor Studio Israel Product Designer <ul style="list-style-type: none">• Freelance, collaborative projects: landscape design, interior design, art, exhibition design.	Jul 2016 – Aug 2018
	Bezalel Academy of Art and Design, Product Design Jerusalem Student (12'-16') and Praxis Technological Incubator Co-lead (16'-17') <ul style="list-style-type: none">• 5th-year excellence research program integrating design and technology.• TA: 'Structure-Function-Form' studio class, mentoring 4th-year B.Des students.• Chosen as an exchange student for Glasgow School of Art (Scotland, Fall 2014). 'Future Cities': teamwork, fieldwork, anthropology, community engagement.	Jul 2012 – Jul 2017
	Weizmann Institute of Science, Clore Garden of Science Israel Science Guide <ul style="list-style-type: none">• Guiding museum visitors: physics, biology, and chemistry – live experiments demonstrations. Design of new hands-on learning activities for summer camp.	June 2012 – Jul 2016
	Military Service, IDF Israel Photographer and media office lead. Received the Base Excellence Certificate 2010.	Jul 2009 – Jul 2011
	Emergency Ambulance Volunteer, MDA Israel <ul style="list-style-type: none">• Certified first responder volunteer with an ambulance, and mentorship to new volunteers.	Sep 2007- May 2009

ACADEMIC EXPERIENCE	<p>Peer-Reviewed Papers</p> <ul style="list-style-type: none"> • Hila Mor, Tianyu Yu, Ken Nakagaki, Benjamin Harvey Miller, Yichen Jia, and Hiroshi Ishii: Venous Materials: Towards Interactive Fluidic Mechanisms, ACM CHI' 20 (2020.4). • Ozgun Kilic Afsar, Ali Shtarbanov, Hila Mor, Ken Nakagaki, Jack Forman, Karen Modrei, Seung Hee Jeong, Klas Hjort, Kristina Hook, and Hiroshi Ishii: <i>OmniFiber: Integrated Fluidic Fiber Actuators for Weaving Movement-based Interactions into the 'Fabric of Everyday Life'</i>, ACM UIST' 20 (2021.10). • Hila Mor, Ken Nakagaki, Tianyu Yu, Benjamin Harvey Miller, Yichen Jia, and Hiroshi Ishii. Prototyping Interactive Fluidic Mechanisms, ACM TEI 2020, Studio (2020.2). • Ozgun Kilic Afsar, Hila Mor, Cedric Honnet and Hiroshi Ishii: Choreographic Interfaces: Wearable Approaches to Movement Learning in Creative Processes, ACM CHI'21 Workshop HAA'21 (2021.4). <p>Reviewer: UIST 20'</p> <p>Conferences Attended: MRS (Fall18', Fall19', Fall20'), CHI (20',21'), UIST (20'), TEI (20')</p>
TEACHING	<p>Teaching Assistant:</p> <ul style="list-style-type: none"> • Tangible Interfaces, Fall19' (MIT Media Lab). • Structure-Function-Form, Fall16', Spring17' (Bezalel Academy of Art and Design). <p>Workshops:</p> <ul style="list-style-type: none"> • Prototyping Interactive Fluidic Mechanisms, TEI 20, converting units.
SKILLS	<p>Languages: English – fluent, Hebrew – Native, Arabic – beginner.</p> <p>Software: SolidWorks, SolidCam, Fusion360, RhinoCeros, Grasshopper, SketchUp, Keyshot, Adobe: Photoshop, Illustrator, InDesign, Premiere Pro, OpenFrameworks.</p> <p>Digital Fabrication & Prototyping: Laser cutting, CNC milling, 3D printing, Arduino, soldering, paper making, ceramic work (molding/casting, modeling, turn-wheel), woodwork (elementary wood-shop), metalwork (elementary metal shop), Silversmithing, Metal molding/casting, Sewing.</p> <p>Lab Skills: Cleanroom fabrication processes, Scanning Electron Microscopy, Atomic Force Microscopy.</p>
RELEVANT CLASSES	<p>Decoders 1.1, Fall18', MIT: cleanroom processes and fabrication techniques. 2.674 Micro-Nano Engineering Spring 19', MIT (listener): Microfluidics, SEM, AFM. Knitters in the Shell MIT IAP 19': Intro to Shima Seiki knitting machine. 10.677 Topics Applied Microfluidics MIT, Fall 20' (listener). MRSEC SEM training.</p>
AWARDS AND HONORS	<p>A' Design Award 2021 <u>Platinum (Top 1%)</u> - Interface and Interaction Design Category, <u>Silver (Top2-5%)</u> - Design Quality and Innovation Category, and <u>Silver</u> - Idea Design Category (Venous Materials, MIT, 2020).</p> <p>Fast Company Innovation by Design Award 2020 <u>Finalist</u> - in both Experimental and Student categories, <u>Honorable Mention</u> - General Excellence Category (Venous Materials, MIT, 2020).</p> <p>(Honor) The Polonsky Award 2016 for Remarkable Design Work (Panta Rhei, Bezalel, 2016).</p>
INVITED TALKS	<p>FABRICA, 'Fluidic Time', Fall 21'</p> <p>Bezalel Academy of Art and Design MS program, 'Venous Materials,' Spring 21'</p> <p>MIT x FIT x AFFOA Workshop, 'Venous Materials', Spring 21'</p> <p>MIT Media Lab, Tangible Interfaces, 'Experiencing Dynamics – Dynamic Experiences,' Fall 20'</p> <p>IDC Milab Media Innovation Laboratory, 'Experiencing Dynamics – Dynamic Experiences,' Fall 20'</p> <p>MIT MechE, Laboratory for Biologically Inspired Photonic Engineering [LBPE] and Pattern Formation in Fluids and Soft Materials Lab, 'Venous Materials', Summer 19'.</p> <p>IDC Milab Media Innovation Laboratory, 'Panta Rhei – Water flow through materials', 'Spring 19'.</p> <p>Design Museum Holon, 'Panta Rhei–water flow through materials', Spring 16'</p>
EXHIBIT	<p>Sep 2020, Ars Electronica – Garden Cambridge (Venous Materials)</p> <p>Jan 2019, 'Exposure' exhibition, Beit Binyamini, Tel Aviv (Panta Rhei)</p> <p>Jan 2019, 'Shibush' exhibition, HIT Holon Institute of Technology, Holon (Flow)</p> <p>Nov 2017, Design Technology Exhibition, Exhibition Fair, Tel Aviv (Panta Rhei, The Generator)</p> <p>Aug 2017, Natural Process, Hansen House, Jerusalem (Panta Rhei, Botanical Growing Diary)</p>

Jun 2017, **Jerusalem Light Festival** (Spores)
Jun 2017 **Jerusalem Design Week**, The Nature Museum (Panta Rhei, Botanical Growing Diary)
Mar 2017, **Fresh Paint Fair 9**, Nature Museum, Tel Aviv University (The Generator)
Sep 2016, "Exposing Grads," **Design Museum Holon** (Panta Rhei)

**SELECTED
PRESS**

[MIT News](#) (OmniFiber, 21')
[Science Daily](#) (OmniFiber,21')
[A Design Award. MIT Media Lab](#) (Venous Materials, 21')
[Innovation by Design. MIT Media Lab](#) (Venous Materials, 20')
[Media Lab–Medium Post](#) (Venous Materials, 20')
[Maariv Hamekomon](#) (Panta Rhei,19')
[Times of Israel](#) (TOM, 17')
[Israel 21C](#) (TOM,17')
[Light Festival Jerusalem](#) (Spores,17')
[DesignZoom](#) (The Generator,17')
[Portfolio](#) (Panta Rhei,19')
[Portfolio](#) (The Generator, 17')
[Portfolio](#) (Panta Rhei,16')
[Design Museum Holon](#) (Panta Rhei,16')
[Make It LEO](#) (Panta Rhei, 16)