Rony Ginosar

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Nationalities: Israeli, German
Native languages: Hebrew, English
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I am a CS researcher and a visual designer, my interests lie within the intersection of code and design.
I'm currently an Algorithm Engineer, keen to learn and contribute.
I have strong applied research abilities throughout the entire research flow.
By bringing my interdisciplinary approach and hard work, I believe I can contribute to your creative research team.

Skills   *Python, NumPy, Javascript, Java, CSS & HTML, OOP, Data Visualization, WebGL, C, C++, MATLAB, Pytorch*

Interests   *Computer Vision, Image Processing, NLP, ML, Deep Learning, AI, Typography, Tool Making, Book Design, Creative Coding*

Experience	**Computer Vision Algorithm Engineer,** Samsung Israel R&D Center	2020-Present

Specializing in Time-of-Flight cameras, HW-oriented image processing algorithm research, development, implementation and integration. Hands-on experience on deployed C++ code.

Font Design Intern, RAG Design, Tel Aviv — Summer 2020

Graduate Researcher, Dr. Amit Zoran Design Hybrids Lab, **The Hebrew University of Jerusalem** — 2018-2020
Rony Ginosar, Amit Zoran (2020) "Inbetween: Visual Selection in Parametric Design" PDF
Research Thesis in Parametric Design and Human-Computer Interaction (HCI), 94.5
> A data-driven design tool to facilitate a designer's work, following HCI theories and practices, utilizing computer science tools and practical design knowledge.
> Devised models and tools, composed and conducted user studies, data and trend analysis, literature reviews, academic paper writing, presentation in international peer–reviewed conferences.

Creative Coding Intern, BOND Creative Agency, London — Summer 2017

Undergraduate Researcher, The Hebrew University, Jerusalem — 2016-2017
Dr. Amit Zoran Design Hybrids Lab, **Published in DIS '18**

UAV Simulator Development and Characterization, Simlat Ltd., Herzelia — 2015-2016
Designed characterization, requirements and UX (user experience) for new simulators

Training Development, Mentor Graphics Corp., Rehovot — 2013-2014
Development and design of an A to Z English training program of the divisions' software

F-16 Flight Simulator Instructor, Israeli Air Force — 2010-2013
Planned and managed training plans; Head of Knowledge of F16 Flight Control System
Trained pilots and instructors in training; Compiled lesson plans and guidebooks

Education   **M.Sc. Computer Science**, **The Hebrew University of Jerusalem,** 89.4 — 2018-2020
Human-Computer Interaction (HCI) and Parametric Design research, Dr. Amit Zoran, Design Hybrids Lab
Specialized in Computer Vision

B.Sc. Computer Science, The Hebrew University of Jerusalem — 2014-2019
Specialized in Image Processing and Computational Photography
Project: AI solving algorithm for maximizing existing urban and public infrastructure to allow maximization of the population in a specified neighborhood, following the predicted doubling in population in Israel by 2048.

B.Des Visual Communication, Bezalel Academy of Arts and Design, Jerusalem — 2014-2019

Grants   **University Alliance for Sustainability**, Freie Universität Berlin and The Hebrew University — 2018
Joint research with the Human-Centered Computing (HCC) Lab on Human direct–interaction with complex algorithmic processes

Awards   **Communication Arts Interactive Award of Excellence,** short-listed, for BA Graduate Project — 2022
ALEFALEFALEF Award in Hebrew Typography, awarded for BA Graduate Projects — 2019
Kantar Information is Beautiful Awards, long-listed, Unusual category — 2018

Publications   **Rony Ginosar**, Amit Zoran (2020) "Inbetween: Visual Selection in Parametric Design" PDF

Rony Ginosar, Hila Kloper, Amit Zoran (2018) "Parametric Habitat: Virtual Catalog of Design Prototypes and the Problem of Candidates Selection." *2018 ACM Designing Interactive Systems* (DIS '18) PDF

Jesse Josua Benjamin, Claudia Müller-Birn, **Rony Ginosar** (2018) "Transparency and the Mediation of Meaning in Algorithmic Systems." *2018 ACM Computer-Supported Cooperative Work and Social Computing* (CSCW '18) PDF