

Fadi Khatib

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[Homepage](#)

Curriculum Vitae

EDUCATION

- 10/2021–7/2023 **M.Sc. in Computer Science and Applied Mathematics**
Weizmann Institute of Science, Israel
Advisor: Prof. Ronen Basri
- 3/2018–9/2021 **B.Sc. in Computer Science**
University of Haifa, Israel
Honors: Summa cum laude
I was only 15 years old, When I started studying towards the degree, as part of the Etgar program (challenge in Hebrew) for excellent high school students who study towards this degree concurrently with their high school studies.
- 2016–2020 **High School**
"Albashaer" high school of Science, Israel
Finished with highest honors.
Specialization includes: Computer Science, Scientific Computing and Physics.

RESEARCH EXPERIENCE

- 2022–2023 **M.Sc Student**, Weizmann Institute of Science.
Thesis: End-to-End Novel View Synthesis.
Developing an End-to-End method for Novel View Synthesis from uncalibrated collections of images, without the need of running COLMAP to recover the camera poses.
Advisor: Prof. Ronen Basri
- Summer 2021 **Summer Research internship**, Weizmann Institute of Science.
3D Reconstruction of synthetic scenes.
Adapted and applied a state of the art 3D reconstruction method on a very challenging synthetic data.
Advisor: Prof. Ronen Basri
- 2021 **B.Sc Final Project**, University of Haifa.
Emotion Recognition from Hands Movements Project. **Grade: 100/100**
Developed classical and DL based methods for hands gestures detection, to be used for emotion recognition.
Advisor: Prof. Hagit Hel-Or
- 2020-2021 **Research Assistant**, University of Haifa.
Mapping Human Viral Proteins Project.
Worked on mapping human viral proteins, where the goal is to reveal the relation between different viruses by using computational biology methods and applying them to biological data.
Advisor: Prof. Rachel Kolodny

PUBLICATIONS

- **F. Khatib**, Y. Margalit, M. Galun, R. Basri. "[GRelPose: Generalizable End-to-End Relative Camera Pose Regression.](#)" arXiv:2211.14950, 2022.

HONORS AND AWARDS

- Moshe Horovitz memorial fellowship for excellent students, Weizmann Institute of Science, 2022.
- Summa Cum Laude (B.Sc Computer Science), University of Haifa, 2022.
- The Council for Higher Education Scholarship for outstanding master students, 2021-2023.
- [Young Weizmann Scholars Diversity and Excellence Program Scholarship, 2021.](#)
- "Akavia" Scholarship for outstanding students at the department of CS, University of Haifa, 2021.
- Dean scholarship (summa cum laude), University of Haifa, 2020.
- "Akavia" Scholarship for outstanding students at the department of CS, University of Haifa, 2020.
- The 100 Most Outstanding Students Award at the National Mathematics Olympics, 2018.
- First place at the "Moofet" National Mathematics Olympics, 2015.

TEACHING EXPERIENCE

Spring 2023 Teaching Assistant of Multiple View Geometry for Computer Vision Applications course, Weizmann Institute of Science.

EXTRACULAR PROJECTS

2019–2021 **"Galilee" Nano Satellite Project**, Ort Braude College.
I was the head of the "Galilee" nano satellite programming team, that high school students will develop it at Ort Braude College.

2017–2020 **"Ma'ale" Program**, Davidson - Weizmann Institute.
A program for outstanding Arab students in STEM. Each year included a project that combines programming and scientific research through developing simulations using Python.

VOLUNTEER WORK

2021–present **Diversity and Inclusion**, Weizmann Institute, Israel
Working closely with the diversity and inclusion office at the Weizmann Institute to help them with making the campus more diverse.

2020–2021 **Teaching assistant in "Ma'ale"**, University of Haifa, Israel
A program by the Davidson - Weizmann Institute for outstanding Arab high school students in STEM.

2019–2020 **Mentorship Program**, University of Haifa, Israel
Tutor for a first-year Arab CS students at University of Haifa.

2018–2019 **"Galilee Dreamers" Program**, Oranim College, Israel

- Volunteer in the youth movement for peace club in Oranim College.
- Member of a school delegation to the United States, as part of the youth movement for peace club in Oranim College (cultural program).

LANGUAGES

Arabic: Mother tongue

English: Excellent

Hebrew: Excellent