

# OFIR ABRAMOVICH

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[🌐 Personal Webpage](#)

I am a PhD candidate for Computer Science at Reichman University, supervised by professor Ariel Shamir. My work lies at the intersection of computer vision, computer graphics, and generative modeling, exploring how machines perceive, interpret, and reason about the visual world.

**Main interests:** Computer Vision, Computer Graphics, 3D Motion Synthesis and Generative Modeling.

## PUBLICATIONS

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- [SIGGRAPH'26] **Colorful-Noise**: Low-Frequency Noise Manipulation for Color-Based Conditional Image Generation  
[SIGGRAPH'26] **MultiAct**: Text-to-Motion Generation from Composite Text via Tailored Attention Guidance  
[TOG Journal] **Mocap Anywhere**: Towards Pairwise-Distance based Motion Capture in the Wild  
[ECCV'24] **VisFocus**: Prompt-Guided Vision Encoders for OCR-Free Dense Document Understanding  
[WACV'23] **PromptonomyViT**: Multi-Task Prompt Learning Improves Video Transformers using Synthetic Scene Data

## EXPERIENCE

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- Research Associate** Nicosia, Cyprus (hybrid)  
CYENS Centre of Excellence May 2024 – Oct 2025  
- Work on a novel distance-based motion capture methodology  
- Journal publication at TOG (Siggraph)
- Research Scientist Intern** Tel-Aviv, Israel  
Amazon AWS AI Labs Jul 2023 – Jun 2024  
- Large-scale training of Vision-Language Models for Document Understanding  
- Publication at ECCV 2024
- Research Assistant at Professor Amir Globarson's Lab** Tel-Aviv, Israel  
Tel-Aviv University Oct 2022 – June 2023  
- Improve Video Understanding models using 3D characteristics and compositionality  
- Publication at WACV 2024
- Researcher at Canvas Lab ([link](#))** Herzliya, Israel  
Reichman University Oct 2021 – Present
- Applied Scientist in Computer Vision** Tel-Aviv, Israel  
Motorola Solutions Innovation Center June 2020 – Jul 2023  
- Collaboration with acknowledged professors from the Israeli academia  
- Design and optimizing computer vision algorithms as end-to-end pipelines  
- Main domains: video summarization, object detection, anomaly detection and action recognition

## EDUCATION

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- Reichman University** Herzliya, Israel  
Direct M.Sc and PhD Program., Computer Science; **GPA: 92** Mar 2021 – Present  
B.Sc., Computer Science; **GPA: 89** Oct 2017 – Jul 2020

## MILITARY SERVICE

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- The Paratroopers Brigade** Israel  
Combat Soldier at 101 Battalion Nov 2012 – Nov 2015  
- Leading and promoting a "Significant and Satisfying Service Program" among high school students and Zionist youngsters from all over the world  
- Receiving 3 excellence awards in professional courses

**Languages:** Hebrew (Native), English (Professional)