

# Aryan Mikaeili

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## EDUCATION

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*Master of Science, Computing science*  
Simon Fraser University

**Sep 2021 - Present**  
Burnaby, BC, Canada

*Bachelor of Science, Computer engineering*  
Sharif University of Technology

**Sep 2016 - June 2021**  
Tehran, Iran

## RESEARCH EXPERIENCE

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*Graduate research assistant*  
Simon Fraser University  
**topic:** Neural fields, 3D understanding in generative models

**Sep 2021 - Present**  
Advisor: Ali Mahdavi-Amiri

*Research assistant*  
IPL, Sharif University of Technology  
**topic:** Adversarial robustness of 3D point cloud models

**June 2020 - June 2021**  
Advisor: Shohreh Kasaei

## PUBLICATIONS

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- [SKED: Sketch-guided Text-based 3D editing](#), Aryan Mikaeili, Or Perel, Mehdi Safaei, Daniel Cohen-Or, Ali Mahdavi-Amiri, ICCV 2023

## WORK EXPERIENCE

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*ML research intern*  
MARZ VFX

**May 2022 - Sep 2022**

- Worked on the [Lipdub AI](#) team. Designed and implemented novel models for natural lip syncing on dubbed video content.

## TEACHING ASSISTANCE EXPERIENCE

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*Practices in visual computing 1*  
held lab classes, designed and supervised assignments. Course page: [link](#)

**Fall 2021, Fall 2022, Fall 2023**  
Simon Fraser University

*Practices in visual computing 2*  
held lab classes, designed and supervised assignments. Course page: [link](#)

**Spring 2021, Spring 2022**  
Simon Fraser University

*Machine learning*  
Created educational content and lecture notes.

**Fall 2020**  
Sharif University of Technology

*Artificial intelligence*  
Designed and supervised assignments.

**Spring 2019**  
Sharif University of Technology

## SKILLS

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**Programming Languages:** Python/NumPy, C/C++, R, MATLAB, JAVA

**Tools and Frameworks:** PyTorch, Tensorflow, Blender, Adobe Photoshop