

Aryan Mikaeili

Homepage | Google Scholar | Email | Github

EDUCATION

Ph.D., Computer science
Simon Fraser University

Sep 2024 - Present
Burnaby, BC, Canada

Master of Science, Computer science
Simon Fraser University

Sep 2021 - May 2024
Burnaby, BC, Canada

Bachelor of Science, Computer engineering
Sharif University of Technology

Sep 2016 - June 2021
Tehran, Iran

RESEARCH EXPERIENCE

Graduate research assistant

Advisors: Ali Mahdavi-Amiri, Andrea Tagliasacchi

topic: 2D/3D Editing with generative models, Personalized generative content creation

Sep 2024 - Present
GrUVi Lab, Simon Fraser University

Graduate research assistant

Advisor: Ali Mahdavi-Amiri

topic: Neural fields, 3D understanding in generative models, Personalized generative content creation

Sep 2021 - May 2024
GrUVi Lab, Simon Fraser University

Research assistant

Advisor: Shohreh Kasaei

topic: Adversarial robustness of 3D point cloud models

June 2020 - June 2021
IPL, Sharif University of Technology

PUBLICATIONS

- [Griffin: Generative Reference and Layout Guided Image Composition](#), **Aryan Mikaeili***, Amirhossein Alimohammadi*, Negar Hassanpour, Ali Mahdavi-Amiri, Andrea Tagliasacchi, **In Submission 2025**
- [Cora: Correspondence-aware image editing using few-step diffusion](#), Amirhossein Alimohammadi*, **Aryan Mikaeili***, Sauradip Nag, Negar Hassanpour, Andrea Tagliasacchi, Ali Mahdavi-Amiri, **Siggraph 2025**
- [CLiC: Concept Learning in Context](#), Mehdi Safaei, **Aryan Mikaeili**, Or Patashnik, Daniel Cohen-Or, Ali Mahdavi-Amiri, **CVPR 2024 (Highlight)**
- [SKED: Sketch-guided Text-based 3D editing](#), **Aryan Mikaeili**, Or Perel, Mehdi Safaei, Daniel Cohen-Or, Ali Mahdavi-Amiri, **ICCV 2023**

WORK EXPERIENCE

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.

OTHER EXPERIENCES

Conference paper reviewing

Siggraph 2025, CVPR 2025, CVPR 2024, ICLR 2023 workshop on Neural Fields, ICLR 2022 workshop on Machine Learning for Drug Discovery (MLDD)

Chair & School liaison

SFU Computing Science Graduate Students Association (CSGSA)

July 2024 - Present

Burnaby, BC, Canada

AWARDS AND SCHOLARSHIPS

British Columbia Graduate Scholarship (BCGS)

2024-2025 Academic Year
amount: 17500 CAD

2023-24 Ebco Eppich Award Competition

Backwater Industries / Eduard Jost Sr. & Jr. Graduate Scholarship

Spring 2024
amount: 700 CAD

TEACHING ASSISTANCE EXPERIENCE

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 2022, Spring 2023, Spring 2024
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

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

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