S. Mahdi H. Miangoleh

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Education

Computing Science, Doctor of Philosophy	September 2022 - Present (expected 2026)
Simon Fraser University	*Burnaby, BC, Canada*
Computing Science, Master of Science	January 2020 - August 2022
Simon Fraser University	*Burnaby, BC, Canada*
Electrical Engineering, Bachelor of Science	September 2014 - June 2018
Sharif University of Technology	*Tehran, Tehran, Iran*

Publications

"Realistic Saliency Guided Image Enhancement"
S. Mahdi H. Miangoleh, *Zoya Bylinskii, Eric Kee, Eli Shechtman, Yağız Aksoy, In Proceedings of Conference on Computer Vision and Pattern Recognition, 2023*

"Interactive Editing of Monocular Depth"
Obumneme Stanley Dukor, **S. Mahdi H. Miangoleh**, *Mahesh Kumar Krishna Reddy, Long Mai, Yağız Aksoy, In Proceedings of SIGGRAPH Posters, 2022*

"Boosting Monocular Depth Estimation Models to High-Resolution via Content-Adaptive Multi-Resolution Merging"
S. Mahdi H. Miangoleh, *Sebastian Dille, Long Mai, Sylvain Paris, Yağız Aksoy, In Proceedings of Conference on Computer Vision and Pattern Recognition, 2021*

"Theoretical Foundations of Learning in Mathematical Sciences"
S. Hassan H. Miangoleh, **S. Mahdi H. Miangoleh**, ISBN:978-600-8533-12-2, 2017

Awards

Ebco/Eppich, Ralph M Howatt Family Graduate Scholarship	700 CAD
Simon Fraser University, Doctor of Philosophy	*Spring 2023*
Graduate Fellowship (GF)	2000 CAD
Simon Fraser University, Doctor of Philosophy	*Fall 2022*
Computing Science Graduate Fellowship (CSGF)	7000 CAD
Simon Fraser University, Doctor of Philosophy	*Fall 2022*
Computing Science Graduate Fellowship (CSGF)	8000 CAD
Simon Fraser University, Master's of Science	*Spring 2021*
Computing Science Graduate Fellowship (CSGF)	7000 CAD
Simon Fraser University, Master's of Science	*Spring 2020*

Work Experience

Research Intern	August 2021 – May 2022
Adobe Inc.	*Remote - Cambridge, Massachusetts, USA*

- Implement cutting-edge techniques and tools in deep learning and artificial intelligence.
- Prepare and extract data using programming languages.

- Visualize data in a way that allows a business to quickly draw conclusions and make decisions.

Software Developer (Qt/C++)   September 2017 – July 2019
Soroush Media Technology Development   *Tehran, Tehran, Iran*
- Create, modify, and integrate codes used for the company products.
- Test the existing code and software to ensure functionality.
- Identify and communicate technical problems, and provide solutions.
- Document the code structure and important design choices.

Research Assistant   January 2020 – Present
Simon Fraser University   *Burnaby, British Columbia, Canada*
- Conduct literature reviews on the recent advancements in the field of computer vision.
- Develop solutions for research problems, evaluate and compare them against others in the literature.
- Analyse and compile research results and prepare scholarly publications.

Teaching Assistant   September 2022 – December 2022
Simon Fraser University   *Burnaby, British Columbia, Canada*
- Organize reference materials for instructors.
- Provide tutorials, and office hours.
- Mark assignments and exams.