



Academic

Education

2023	University of Pennsylvania. Stuart Weitzman School of Design - USA Master Science in Design, Concentration Robotic and Autonomous Systems	GPA: 4/4
2018	University of Tehran. Faculty of Fine Arts. Tehran. Iran Master of Architectural Engineering	GPA: 4/4
2016	University of Science and Culture. Tehran. Iran Bachelor of Architectural Engineering	GPA: 3.99/4

Honors/Awards

2023	Research assistant at the University of Pennsylvania - Polyhedral Structures Laboratory(PSL) and Autonomous Manufacturing Lab(AML-PENN)- Univerisity of Pennsylvania
2022	Getting admission to the University of Pennsylvania Weitzman school of design
2019 - 2021	Designer and Manager of one of the most Important National Architecture Projects - Karaj Main Theatre Hall
2019	Winner of the national architecture competition among 6 most famous Iranian architectural companies - Karaj Main Theatre Hall
2016	Getting admission to the University of Tehran - The most prestigious university in Iran
2017 - 2020	Three years of teaching assistant and research assistant experience at the University of Tehran
2016	Ranked 6th among 26094 participants in the entrance exam for Architectural Engineering major
2016	Ranked 2nd Sketching among top 10 per cent in Architecture master entrance exam among 7749 participants
2018	Top 3 M.A. students based on GPA and Research result among the graduate students
2018	Iran's National Elites Foundation membership
2017	1st Place in Bending Active Grid shells Digital fabrication workshop
2016	Top B.A. student based on GPA among the graduate students

Publications

2020	Journal article <ul style="list-style-type: none">The Impact of Modern Architecture on Expanding the Domain of Audience Consciousness and Its Derivation from the Merleau-Ponty's Theory of "Body-Subject", Baghe-Nazar, Volum17, Issue87, Pages19-28 - DOI: 10.22034/BAGH.2020.186937.4128
2019	Conference proceeding <ul style="list-style-type: none">Analytical study of Movement as the Fourth Dimension, in the Formation of the Form of Artworks
2021	Book <ul style="list-style-type: none">Title: Hidden Aperture in Architecture, About Plan and Section Design - Role: Author Authors: Mahsa Sadat Masalegoo - Parasto Moghadam fard - Bahareh Arjomandi
2019	<ul style="list-style-type: none">Title: Theory of Modernity in Architecture - Role: Editor - Second edition - Fourth volume Authors: Dr. Saeed Haghiri - Dr. Hamed Kamelnia

Workshops/Symposiums

2022	ACADIA - Hybrids & Haecceities , University of Pennsylvania
2020	DDF - Simulation based Robotic/ Digital fabrication , University of Art/Kent State University
2019	CON[Create] - Digital fabrication , Science and Technology Park of University of Tehran, Iran
2019	Art and the 4th dimention , University of Tehran.Finearts . Tehran. Iran
2018	21th Century architecture kaleidoscope , Politecnico di Milano - Khatam university. Italy-Iran
2017	Bending Active Grid shells - Digital fabrication , University of Tehran.Finearts . Tehran
2017	Architectural transfer , RWTH Aachen University - University of Tehran.Finearts . Germany-Iran
2013	Dome - First conference on traditional structures and technology, Tarbiat Modares University

Teaching / Advising

2023 - ...	Research Assistant, University of Pennsylvania. Philadelphia. USA Supervisor: Masoud Akbarzadeh Polyhedral Structures Laboratory
2023 - ...	Research Assistant, University of Pennsylvania. Philadelphia. USA Supervisor: Robert Stuart-Smith Autonomous Manufacturing Lab
2017 - 2020	Research Assistant, University of Tehran. Tehran. Iran Supervisor: Saeed Haghir
2017 - 2020	Teaching Assistant, University of Tehran. Tehran. Iran Instructor: Saeed Haghir Design Studios 2-3 (Conceptual and Cultural design)
2016 - 2019	Architectural Adviser, Iranian Architecture Centre. Tehran. Iran Role: Advising and teaching students to sketch architectural design
2016 - 2020	Architectural Software. Tehran. Iran teaching Rhinoceros-Grasshopper-Photoshop software

Professional

Competition

2019	<u>Karaj Theatre Hall</u>	Designing a main theatre hall in Karaj City - Limited competition Role: Designer and coordinator - Winner	Iran
2019	Common Ruins	Renovation, a new life into ancient castle in France Role: Designer and coordinator	France
2018	VELUX Award	To explore the role of daylight in architecture Role: Designer	Denmark
2018	eVolo	Challenging the way of understand vertical architecture Role: Designer	USA
2017	Pardis technology	Designing Entrance to Pardis Technology Park Role: Designer	Iran
2016	Superior Architecture	ParkWay Under-bridge Revival - Nominated Role: Designer	Iran

Work experience

2020 - 2022	HooDe Design Studio Role: Co-founder, Designer and manager Project: Experimental work on material and fabrication in interior design
2018 - 2022	D.S.H Conseil Office Role: Architectural Designer and one of the manger - Project: Karaj Main Theatre Hall
2015 - 2017	Freelance designer Projects: Gallery and home renovation - kitchen and interior design

Skills






Design

Programming	Python
Modeling	Grasshopper - Rhinoceros - Sketchup - AutoCad - Maya
Microcontroller	Arduino - Realsense scanning
Media Production	Photoshop - Indesign - Illustrator - Premier - Keyshot

Fabrication

Robotic Tools	Robotic Systems & Arms - Robot studio Techniques: hot wire cutter- carbon fiber knitting- Additive manufacturing
Other Tools	Laser cutting - CNC- Vertical Bandsaw
Materials	Papier mâché - Resin - Wood - Concrete - Carbon Fiber - Styrofoam - terracotta Clay

Languages

Persian		Native		
English		C1 - Advanced	IELTS ----- Overall: 7	Listening: 8 Speaking: 7 Reading: 6.5 Writing: 6.5
French		B2 - Upper-Intermediate		
Italian		A1 - Basic		
Arabic		A1 - Basic		

Research interests

Robotic and autonomous Fabrication - Fabrication techniques - autonomous assembly- Generative design - Geometry and structural analysis - Smart materials - Bio-inspired design - Digital era theories - Human and cultural studies - Technology and Politics - Art

References

Masoud Akbarzadeh
Assistant Professor , Univerfsity of Pennsylvania - masouda@design.upenn.edu

Robert Stuart-Smith
Assistant Professor , Univerfsity of Pennsylvania - rsmith@design.upenn.edu

Saeed Haghiri
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