Shervin Azadi

Born	February 22, 1993
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Website	shervinazadi.com

Areas of specialisation

Generative Design, Computational Design;

Experiences

2019 - now *Researcher*, TU Delft;
> Chair of Design Informatics
> Research: GoDesign, DynaBox
> Education: Earthy, Spatial Computing

2018 - 2019 *Teaching Assistant*, TU Delft;
> Chair of Design Informatics, under supervision of Dr. Ir. Pirouz Nourian
> Research: PolyShell
> Education: Future Models, Earthy, Spatial Computing

2017 *Research Assistant*, Tehran Platform.
> Research & Workshop: IaaC GSS-17: Tehran, Inside Out: Emotional Visualization of Tehran

Education

2017 - 2019 MSc in Architecture, TU Delft;
> Master of Science Architecture, Urbanism and Building Sciences / Architecture Track

2011 - 2016 BSc in Architectural Engineering, University of Tehran;
> Bachelor of Science in Architectural Engineering

2007 - 2011 Dip in Mathematics and Physics, Allameh Helli High School.
> NODET: National Organization for Development of Exceptional Talents

Publications

submitted Bai, Nan & Azadi, Shervin & Nourian, Pirouz & Pereira Roders, Ana. Gamifying an Urban Redevelopment Process in Search for Consensus

submitted Cubukcuoglu, Cemre & Nourian, Pirouz & Tasgetiren, M. Fatih & Sariyildiz, I. Sevil & Azadi, Shervin. Quadratic assignment problem using spatial geodesic distance for renovating a hospital layout design

2019 Daw, Karim & Azadi, Shervin & Nourian, Pirouz & Hoogenboom, Hans. (2019) Earthy Honeycombs: Construction Design of Adobe Shell Structures by Topological Polyhedralization. doi:10.13140/rg.2.2.19015.75684

Grants & Honours

2019   Actieagenda Ruimtelijk Ontwerp 2017 - 2020, Samenwerken aan Ontwerpkracht, Ontwerp en Overheid

> €30,000 for GoDesign project
> Co-authored the proposal with Dr. Ir. Pirouz Nourian

2019   Cumlaude in MSc, TU Delft

2019   Honors Master Program, TU Delft

> Developed PolyShell research projct
> collaboration with Karim Daw; under supervision of Dr. Ir. Pirouz Nourian

2011   Ranked in best 0.1%, National University Entrance Exam

> Ranked 194 among 252,312 in Mathematics & Physics, National University Entrance Exam of Iran

Skills

TECHNICAL SKILLS

Python	Advanced
	NumPy, SciPy, NetworkX, HOM, Django
Houdini/VEX	Advanced
	Computational Geometry
JavaScript	Intermediate
	Three.js, D3, Vue, Firebase, Node JS
Java	Intermediate
	Processing, Arduino
C#	Beginner
	Rhino, Grasshopper: Computational Geometry

REPRESENTATION SKILLS

Documentation	Advanced
	LaTeX, MarkDown, reStructuredText
3D Modeling	Advanced
	Houdini, Grasshopper, Rhino, Cinema 4D
Rendering	Advanced
	Mantra, VRay, Vector Rendering
Interaction	Intermediate
	Unity, Unreal, Vue, Three.js, D3

LANGUAGES

Farsi	Native
English	Fluent

Involvements

Projects

2020 - now Developer and Maintainer of VolPy: python package for scientific analyses of volumetric data
Collaboration with Dr. Ir. Pirouz Nourian

2019 - now Co-founder at GSS-Lab: Generative Sciences and Systems Lab
Co-founded with Dr. Ir. Pirouz Nourian

2019 - now Co-founder at Emergentium: Rule-based Urban Emergence
Co-founded with Nour Abuzaid
research project aiming to integrate the interface and the computational logic in a design platform

2019 - now Co-founder at SOSAges: Some Other Solution Ages
Co-founded with Ardalan SadeghiKivi & Armin Rangani
art project that explores the process of de-constructing and reconstructing the of the surounding environment

Teaching

2018 - now Spatial Computing

Bachelor Minor at TU Delft
Generative design systems for housing complex
BK7083 - git

2018 - now Earthy

Design Studio in Building Technology Master at TU Delft
Computational design for low-tech construction of earth structures
AR3B011 - git

2018 - 2019 Future Models

Seminar in Architecture Master at TU Delft
AR1TWF030

2017 IaaC global summer school

Workshop of Computational Architecture at TehranPlatform
as the Tehran node of IaaC global summer school: Tehran Inside Out

2014 - 2016 Freelance architectural software tutor
Rhino, VRay;

Volunteering

2018 - 2019 Event organizer at Work/Out

iterative event series outside the institutional frameworks pushing the discussion about the working condition for architects

2016 Volunteer at ICMPS: Iranian Child Maltreatment Prevention Society
Event Conductor and Graphic Designer
in collaboration with National Children's Rights Convention