

Shervin Azadi

Born February 22, 1993
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Areas of specialisation

Generative Design, Computational Design;

Experiences

- 2019 - now *Researcher*, TU Delft;
Chair of Design Informatics
Research: [GoDesign](#), ModuGraph
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](https://doi.org/10.13140/rg.2.2.19015.75684)

Grants & Honours

- 2019 Actieagenda Ruimtelijk Ontwerp 2017 - 2020, Samenwerken aan Ontwerpkraft, 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 project
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, V-Ray, 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 surrounding environment

TEACHING

- 2018 - now Spatial Computing
Bachelor Minor at TU Delft
Generative design systems for housing complex
[BK7o83](#) - git
- 2018 - now Earthy
Design Studio in Building Technology Master at TU Delft
Computational design for low-tech construction of earth structures
[AR3Bon](#) - git
- 2018 - 2019 Future Models
Seminar in Architecture Master at TU Delft
[AR1TWf03o](#)
- 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