

SEPIDEH BAYAT

Enhance Human-Human Connection through Shaping Human-design and Human-technology and environment.

Space | Interaction | Product and Service design

Graduate Admission from 16 top ranked universities in us and University of Toronto

EDUCATION	
2023-2026	UNIVERSITY OF PENNSYLVANIA , Weitzman School of Design Master candidate (M.Arch), awarded Merit Scholarship INTERESTS: Computational Design, Environment & Ai Development Design, Human Interactions- Behaviors and emotions, AI-IoT Product Design and Development
2019-2023	ZANJAN UNIVERSITY (UZ) , Faculty of Architecture & Applied Science and Engineering Grade-A Prominent Undergraduate Student of Architecture, GPA 3.95 /4.0 (high distinction) INTERESTS: Computational Design, Environment & Energy Engineering, Human-Computer Interaction, AI-IoT Product Design and Development
2013 – 2019	FARZANEGAN 2 , Junior school and high school, graduated from the school of brilliant talents (Farzanegan 2), High School Diploma in Mathematics & Physics (A sort of school in Iran that accepts a number of genius and talented students through an entrance exam.)
EXPERIENCE	
Feb. 2024	Schenk-woodman competition/ designer, visual artist, researcher// Philadelphia [Mapping – city Planning] (Group Project) environment, a site is typically known by virtues of representations which are commonly held as true: maps or “directions” or collected images obtained by different sources.
Nov.- Dec 2023	Tower Installation/ designer, maker, researcher//Upenn, Philadelphia [Tower typology– Building big scale strategies] (Group Project) Tower typology as well as the very real structural, material and logistical challenges of building an object that is self-supporting and stands approximately seven feet tall/ Fabrication Process
Nov. 2023	Ideal Column/ design and construction competition -Structure// Group Project/ Weitzman School of design
Aug.- Feb 2016	Smart irrigation / Inventor, designer, maker, research assistant // Tehran [soil moisture control - automatic irrigation] <ul style="list-style-type: none"> • Mechanical intelligence - product design -Using 3 moisture-sensitive sensors - the operators, which are located at different heights, send the corresponding signals to the controller circuit by sensing the moisture and its amount in the soil & due to the conductivity of water. By analyzing the data, it adapts & activates the amount and time of the incoming water to the soil.
Mar. 2022 – Mar.2023	Startup/ Orib online platform / Content production manager and idea developer and Product UX Designer// Tehran [Global chain contest’s information, selected works of architecture, industrial design and graphics-Digital transformation] <ul style="list-style-type: none"> • online platform (Instagram & website)/analysis data / 5,000 active users • validating awards & competitions; presenting data in a planner to create optimal user scheduling performance (app). • Conducting co-creation workshops with designers & architects and holding webinars.
Mar. - May 2015	Tiling board/ Idea creator, designer, and performer// Zanjan, Iran [The tiling board is based on a function of mathematical algorithms – Creativity] <ul style="list-style-type: none"> • Leading a cross-functional team of 4 to design and execute modern tiling with Developing and designing mathematical algorithms to make intuitive, and efficient 3D modeling, a portrait of Prof. Maryam Mirzakhani (Selected as The First Course of Math Award Conference, A Day with Math 2015)
Mar.2021 - May 2022	Stone Melody/ Management Consultant & Branding and Media Group Manager, UX Architect // Tehran [Digital Methods] <ul style="list-style-type: none"> •Iran National Stone Festival Exhibition with the presence of ambassadors of Kazakhstan and Spain and respected agents of Italy and Japan. • Leading a cross-functional team of 10 (idea, design, execution) to develop an enabled online platform for branding; Designing advertisements; Producing stop motion clips and creative contents.
Apr. 2022 – Jun.2023	El Mall Commercial & Entertainment Complex / Assistant construction manager & branding consultant &CG Artist // Zanjan, Iran [Construction technology/Precision Context-oriented branding] <ul style="list-style-type: none"> • Investigating customer segments, documents, & presenting reports required for the products and services to be provided in the mall; developing ideas for the placement of spaces based on the spatial experience derived from the culture & social behaviors of the people of Zanjan. • Designing, prototyping, and implementing spatial, digital & brand experience with business goals in Zanjan Province
Skills	
UXD & Data Vis	Figma, Miro, Sketch, digital sketch, Voiceflow, Adobe XD, Zeplin, ArcGIS, Google Sheets, Miro, Notion, Google Analytics, data visualization
Modeling & Graphics	Rhino+Grasshopper, 3ds Max, Revit, AutoCAD, Vray, Adobe (Photoshop, Illustrator, InDesign, XD, Premiere), Photogrammetry, Focusky, CorelDRAW, Microsoft Office
Simulation	Grasshopper Karamba, Carrier (HAP), DIVA/ ClimateStudio (environment/energy)
Fabrication	3D Printing, Laser Cutting, CNC Milling, stop motion animation, Sculpture, Woodworking, Electromechanical Prototyping, pottery, Making clips & teasers, Casting.
Craft Skills	Recycled art, origami, Painting: colored pencil, pointillism art, and watercolor; Nail and thread crafts,
Languages	English (Proficient), Persian (Native), Turkish (Fluent), Azerbaijani (Native)
ACADEMI	
	<ul style="list-style-type: none"> •TA,"Technical presentation and design & implementation of stairs and making replicas of stairs"// Zanjan University •TA of physics in the ninth, tenth and eleventh years, especially the topic of electricity/Farzangan High School 2/Zanjan, Iran •Guest Speaker, "Speech at the memorial ceremony of Professor Maryam Mirzakhani (Math Fields Medal Winner) •Content production assistant for the speaker of the panel of Orib platform's webinars, Mr. Vahid Sadraei Far/"project reading part 1 and 2 series (review and analysis of the selected works of the commemoration of the last genocide and virtual house design competition "life in Metaverse")

EXHIBITIONS	
Dec, 2023	Designer and winner /The Alien /Art and design exhibition// Xi An Design Complex Exhibition/ Exhibition at Xi An Design Complex Exhibition Xi An National Civil Aerospace Industrial Base/China
Dec, 2023	Designer and winner /The Alien / Hebei Innovation Design Center Exhibition // Exhibition at Hebei Innovation Design Center Exhibition Shijiazhuang Technology and Innovation Center/ China
Sep, 2023	Designer and winner /The Alien / Hebei International Industrial Design Week // Exhibition at Hebei International Industrial Design Week Green Building Exhibition Center XiongAn/ China
Oct, 2023	Designer and winner / The Art work: The Alien / Harbin International Creative Design Week/ Exhibition at Harbin International Creative Design Week Harbin International Conference and Exhibition Center/ China
Aug, 2023	Designer and winner /The Art work: The Alien/Festival of Architecture and Interior Design in Mumbai/ Exhibition at Festival of Architecture and Interior Designing Conference Jio World Convention Centre/ India
Nov, 2023	Designer and winner / The Art work: The Alien / Shenzhen International Industrial Design Week/ Exhibition at Shenzhen International Industrial Design Week Shenzhen Convention and Exhibition Center/ China
Nov, 2023	Designer and winner / The Art work: The Alien / Festival of Architecture and Interior Designing Conference/ Exhibition at Festival of Architecture and Interior Designing Conference NSIC Exhibition Ground/ New Delhi, India
Oct.21 –Oct.22, 2022	Speaker & Project Lead /Art exhibition//work named "New Order"// Iran National Stone Festival group exhibition / selected works final stage with the judges of Mr. Behrouz Darash, Hoshang Mehrardalan, Gholam Hossein Nami// with the approach of "idea, design and execution"// Venue: Stone Melody Group Exhibition and Art Gallery//Tehran, Iran/with the presence of the ambassadors of Spain and Kazakhstan and Representatives of the embassies of Italy and Japan/for 14 days
Real life EXPERIENCE	
INTERESTS	<p>Since my father and grandfather have been in the construction industry, I have been interested in this field since I was a teenager, & in suitable opportunities, I have supervised and worked with my father in various designing & implementation projects and conferences.</p> <p>"Bayat Construction & utility Company" has more than 48 years of experience in construction & contracting activities, with a subset of experts & experienced people in the fields of roads, construction, facilities, environment, and architecture.</p> <p>•Recently, in the residential complex project of the Organizational Houses of Judiciary System in Zanjan Province (I have been in the project as an executive assistant and technical office).</p>
Awards	Piano(professional), invent and find solutions for matters, Swimming (Lifeguard Rescue and team member), Cycling, Dancing, Photography, baking Cakes and desserts, watching movies, Talking to people
Feb.2024	•[Silver Prize Schenk-woodman competition] "A wanderer symphony" Weitzman School of Design//Upenn, USA
May.2023	•[Silver medal status in Lighting Products and Fixtures Design category] [A'design award] "The Alien Lighting" Milan/Italy
Jan 2024	•[Merit Award Scholarship] Weitzman school of Design Faculty Graduate Academic Merit Award Scholarship Issued by University of Pennsylvania · Apr 2023Issued by University of Pennsylvania · Associated with University of Pennsylvania
Apr 2023	•[Awarded] lifetime honorific designer title of "Associate" by World Design Ratings Awarded lifetime honorific designer title of "Associate" by World Design Ratings Issued by World Design Consortium ·
2019-2023	•[1st Ranked Award] of the Graduate Program, Faculty of Architecture & Applied Science and Engineering, Zanjan University, Zanjan, Iran(1st/27 Participants According to GPA)
Aug.2019	•[Ranked in Top 1.5%] in the University Entrance Examination in Mathematics and Physics, Engineering Field, for Entering the Undergraduate program(2668th /150000 Participants)
Aug.2019	•[Ranked in Top 0.5%] in the University Entrance Examination in Art, for Entering the Undergraduate program(302th)
Jul.2022	•Offered Straight Admission in the Architecture at Zanjan University or the top 5 in Iran
May.2022	•[runner-up status in Architecture, building and structure design category] [A'design award] "Last genocide-Memorial" Milan/Italy/ group project
Feb.2016	•The 6th Math Olympiad Of the Iranian Juniors/ Success in passing the first Level and ascent to the second Level/Achieving the[1st rank] of the ninth grade in the province and the rank of 128th countries in the final stage/ Tehran, Iran
Feb. 2016	•[Obtaining the 3rd rank] in the province in the field of inventions and crafts/The 5th Kharazmi Youth Festival/With the title "Smart Irrigation"//
Aprl. 2015	•[Ranked in the top 30%] of the provincial seventh and eighth grade/International Math Kangaroo 2015
May. 2015	•[Winning the 1st place] in tiling in the first provincial conference "one day with mathematics" with the presence of Prof.Mahmoudian
May. 2015	•[Obtaining the 1st rank] of the school and province in the national scientific exam of the third year of primary school.
May. 2014	•[The winner] of the provincial writing competition on the subject of "Mother" Selected writing in the contest of heart writings and student poetry of the teacher's week
Mar.2021-2022	•[Finalist] Ascent of 2 conceptual art design's to the final stage & getting my two designs to the exhibitions of IRAN & Italy [National Festival of Iranian Stone Design]
June.2021	•[Shortlist](top 50) and passing to the final stage [PUREDESIGN CONTEST] (the work is made to judge the final stage)
Sept.2021	•[participated] [Braun prize]product design competition
Jan.2019	•[Winner and finalist] [EUROMATH AND EUROSCIENCE] Getting a math article, to be registered in the math essay writing world youth/Title: Justify behaviors with mathematics/Authors: Sepideh Bayat* , Samaneh Golpeykari fard**
Publication	
	• A'design Award designers year book/ page 556
	• #18677491 Creative Partner of World Design consortium
	• Member of THE STONE MELODY Consortium (National Rock Design Festival)
	•Awarded lifetime honorific designer title of "Associate" by World Design RatingsAwarded lifetime honorific designer title of "Associate" by World Design Ratings Issued by World Design Consortium · Jan 2024