
EDUCATION

- 2022 **University of North Carolina at Charlotte (UNCC), NC**
Master of Architecture II, School of Architecture (SOA) - GPA: 3.96 / 4.00
- 2018 **University of Art, Tabriz, Iran**
Bachelor of Architecture - GPA: 17.86 / 20.00
Thesis: Ecotourism Center in Golpayegan, Esfahan, Iran

EMPLOYMENT

- 2024 - current **Little Diversified Architectural Consulting, Charlotte, NC**
Creative Technologist, Emerging Technology Group (full-time since June 2025)
- *Design Automation* — Built an end-to-end platform: Grasshopper captures model screenshots and parameter data per iteration; a Python/FastAPI app serves a local UI for batch rendering via custom ComfyUI scripts, generating charts and reports in one click.
 - *AI Rendering* — Trained custom LoRA models and built ComfyUI pipelines for upscaling and brand-aligned styles; ran internal workshops to onboard studio teams and integrate tools into active projects.
 - *Revit Automation* — Developed a TopoSolid script that simplifies topography geometry, auto-grades terrain to building footprints, and maintains a bidirectional Revit / Rhino Inside workflow with versioned documentation.
 - *Revit SDK Plugin* — Built a PyRevit plugin for bulk text management: exports view/sheet text to CSV for external editing or translation, then re-imports with targeted replacement across full or partial scope.
 - *AI Branding Pipeline* — Established a workflow combining precision-guided AI image generation with manual compositing, improving consistency and reducing iteration time for the visual brand studio.
 - *Real-Time Visualization* — Produced architectural studies in Unreal Engine 5 using blueprints, material/lighting setups, and cinematic cameras for interactive presentations and walkthroughs.
 - *Software Evaluation* — Tested and reported on new tools prior to firm-wide release; liaised directly with product engineers to align development with firm-specific workflows.
 - *Tooling & Handoff* — Maintained team codebase via GitHub and VS Code; documented all deliverables in Jira and Confluence for continuity and team handoff.
- 2022 - 2025 **Little Diversified Architectural Consulting, Charlotte, NC**
Architectural Designer, Mixed-Use Studio
- *Project Delivery* — Participated in SD, DD, CD, and CA phases across multiple project types; managed construction administration and produced detailed construction drawings.
 - *Visualization* — Developed firm-wide visualization workflows using AI and real-time rendering engines, including Grasshopper and Stable Diffusion pipelines.
 - *Interactive Tools* — Built a physical-to-digital platform for real-time client feedback during design reviews.
 - *R&D;* — Contributed to emerging technology research and pursuit projects for office and community design.
- Projects:*
- 2024 - 2025 **INPRO Manufactory - Charlotte, NC**
165,000 SF Warehouse + 10,000 SF Office
- Led construction administration: site visits, owner-driven design changes, GC/MEP coordination, RTAP permit approvals, and code compliance documentation.

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- 2024 Project Golden Globe - Charlotte, NC
285,000 SF Industrial Expansion and Renovation
Supported delivery of a heavy industrial expansion including 60,000 SF annex relocation; produced construction documents and coordinated across U.S. and European teams on MEP/FP integration.
- 2024 Compton High School - Los Angeles, CA
176,000 SF Campus
Design assistant for a public high school; initiated design using physical models, developed scripts for geometry conversion to Revit, and integrated climate analysis tools.
- 2023 Skyline National Bank - Charlotte, NC
11,000 SF Design-Build
Full project involvement from schematic design through construction documents; handled material selection, visualization, and engineering coordination.
- 2022 526 Church St - Charlotte, NC
160,000 SF Mixed-Use Development
Early concept development through physical and digital modeling; produced visualization including stills and animation for client presentations.
- 2020 - 2022 **University of North Carolina at Charlotte (UNCC), NC**
Research Assistant, Integrated Design Research Lab (IDRL)
 - *Research* — Contributed to a chapter on sustainable design strategies and thermal mass; used Athena Impact Estimator for carbon footprint analysis.
 - *Analysis* — Researched materials and construction methods for Net-Zero buildings; produced environmental and climatic diagrams.
- Summer 2021 **NBBJ, San Francisco, CA**
Architectural Design Intern
 - *Design* — Worked on conceptual design iterations using parametric tools; contributed to a mixed-use project concept and produced supporting drawings and diagrams.
 - *Visualization* — Produced exterior and interior renderings for a mixed-use project.

INVITED TALKS & REVIEWS

- 2024 - 2025 **SOA / COAA, UNCC - Lessons in Visualization and Composition**
Annual invited lecture presenting storytelling and visualization fundamentals to second-year graduate students.
- 2022 - 2025 **SOA / COAA, UNCC - Guest Critic**
Third-Year Studio, Graduate Studio, and Final Thesis Reviews (invited by Mona Azarbayjani, David Thaddeus, Peter Wong).

AWARDS & FELLOWSHIPS

- 2023 **Finalist - "Teach on the Beach"**
Archstorming - Educational center design competition, Ghana.
- 2022 **Editor's Choice - Best Architecture Portfolios Globally**
Uni.xyz - Recognizing outstanding research and projects in design.

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| 2020 - 2022 | Graduate School Tuition Award (GASP)
UNCC School of Architecture - 2-year full tuition and RA position - \$78,000. |
| 2019 | Candidate Project - 2A Awards / Asia
2A Architecture Award - "Social Housing" project, Asia section. |
| 2019 | Finalist - Dayang Mountain Slow Traffic System
Young Bird Plan, China - International urban design competition; selected from 500+ entries. |
| 2018 | Ranked 2nd / Special Talent Distinction
Tabriz Islamic Art University, Iran - Direct admission to graduate study. |
| 2018 | Shortlisted - Miami Pavilion Restaurant
Desire Designing, Miami FL - International competition for restaurant and pavilion design. |
| 2018 | Honorable Mention - Roof Gallery Design
Tabriz Islamic Art University, Iran - National competition for rethinking campus rooftop space. |
| 2017 | Top 5 - Best Student Designs Nationally
Tarhe Bartar, Iran - National recognition for studio design work. |

PUBLISHED PROJECTS

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| 2022 | "Yard to Yard" Studio Project
Dezeen - SOA UNCC Selected Projects |
| 2017 | "A House in Yazd"
Villa Magazine No. 07 - Selected housing designs, central Iran |

COURSES & CERTIFICATES

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| 2025 | Project Management Academy
Little |
| 2024 | ComfyUI and Stable Diffusion Scripting
Udemy |
| 2021 | C++ for Game Development (Unreal Engine)
Udemy |
| 2020 | Python Data Structures
University of Michigan, Coursera |
| 2020 | Programming for Everybody (Python)
University of Michigan, Coursera |
| 2020 | Introduction to Game Design
California Institute of the Arts, Coursera |

SKILLS

BIM & Modeling

Revit / Rhino / Grasshopper / Archicad / 3DS Max / AutoCAD / Marvelous Designer

Generative AI

Stable Diffusion / ComfyUI / LoRA Training / AI Image Pipelines

Real-Time Rendering

Unreal Engine 5 / Twinmotion / D5 Render

Visualization

Adobe Photoshop / InDesign / Illustrator / V-Ray / Corona Renderer / Davinci Resolve /
Digital Matt Painting / Cinematography

Coding & Automation

Python / FastAPI / C++ / JavaScript / HTML / CSS / PyRevit / Revit SDK

Dev Tools

GitHub / VS Code / Jira / Confluence

Fabrication

CNC / Laser Cutting / 3D Printing

Languages

English (fluent) / Persian (native) / Arabic (elementary)