

Sen Zhang

Registered Architect in NY
5186186150
zsenarchitect@gmail.com

Ennead Architects LLP / Computational BIM Developer

New York, NY | 2022- Current

- **In-house Plugins Development for Revit and Rhino.**
 - + Workflow optimization on modeling and documentation. Reduce dependency to Grasshopper/Dynamo.
 - + Office standard and QAQC integration.
 - + Customization functions for specific projects and users.
 - + BIM data metric visualization.
 - + Fluid in Cpython/Ironpython, Revit API, Rhino Commons API, LLM model integration.
 - + Repository automatic publishing, automatic distribution, automatic documentation.
 - + Work with IT to build Azure virtual machine and cloud computing environment.
 - + Community engagement and UI/UX design.
 - **BIM Manager**
 - + Manage large commercial bldg/campus projects on Asian market.
 - + Manage large healthcare bldg/campus projects on Northeast US market. (NYU, Northwell)
 - + Solution architect to large BIM data management, complex family and other unusual BIM challenge.
 - + In-house training and mentoring.
 - **Rhino Doctor**
 - + Solution architect to complex geometric challenge(Industrial Design Standard).
 - + Interoperability of Rhino2Revit with zero-learning-curve plugin solution developed internally.
-

Ennead Architects LLP/ Architectural Designer, BIM Specialist

New York, NY | 2020- 2022

FTZ FreeTradeZone, plot 09, 15, 17. Shanghai / Office
Taopu plot 603, 606 SmartCity. Shanghai / Mix-use
ByteDance HQ, Shenzhen / Office HQ
Bilibili HQ, Shanghai / Office HQ Campus
Lenox Hill Hospital, NYC / Hospital
NYU LongIsland Healthcare Campus, NY / Hospital
...and 20+ BIM/Rhino Project Support

Arquitectonica / Designer, BIM Specialist, CG visualization

New York, NY | 2017- 2020

40 Hudson Yard, New York / Office Tower
Curtis Block mid-rise, Calgary, Canada / Residential Complex
Amazon HQ2 master planning, Chicago / Office Complex
31 Parliament mid-rise residential tower, Toronto SmartCity, Canada / Residential Tower
Warsaw Hotel, Warsaw, Poland / Hotel Tower
Newport Waterfront high-rise development / Residential Tower
Queens Sherbourne mix-use complex, Toronto / Residential Complex, Historical Preservation
Equinox Hotel mix-use complex, San Jose / Hotel Complex

RPI Publication Dept. / Book-design, Asset management

Terreform ONE / Research, Design

Plasma Studio / Intern

Ballistic Architecture Machine/ Intern

Education:

Columbia University / Master of Science in Advanced Architecture Design

New York, NY | 2016-2017

Rensselaer Polytechnic Institute / Bachelor of Architecture

Troy, NY | 2012-2016

Tongji University / Major in Urban Planning

Shanghai | 2010-2012

Publicity:

Digital Built Week Americas / Panel Speaker

Dallas, TX | 2023

- + Shared experiences with fellow AEC programmers on promoting computational design to non-programmers. The talk encompasses three main topics: finding office workflow bottlenecks, deploying user-experience-oriented solutions, and gamifying work to keep people engaged with the service.



Session Profile

Autodesk University / Session Speaker, Revit As A Game Engine

San Diego, CA | 2024

- + Delivered a presentation showcasing two personal digital projects developed in the architectural field, incorporating strategies from game design theory to enhance user guidance and support.



Session Profile

AEC Hackathon / Team Honorable Mention

New York, NY | 2023

- + Competed in a national event that encourages teams to innovate for the built environment. Our team’s concept was an educational tool designed to connect junior and senior students, enabling the free exchange of skills, knowledge, and resources.

➔ EnneadTab / U.S. Copyright Office

New York, NY | 2024

- + Submitted three software applications developed for Ennead Architect for patent protection, with authorship credited to SenZhang.
- + EnneadTab is a cross application architectural plugin Eco-system that span Rhino, Revit, CAD, Autodesk Desktop Connector, Enscape, InDesign, Photoshop, Excel, Email, Notification, AI, Computer Resource Monitoring, TextToSpeech, Sound Effect.
- + It is a collection of 200+ quality-of-life items on all kind of daily workflow
- + Tailored toward the office preference and workflow around Ennead Architect.
- + Resolving issues not yet resolved by the official applications.
- + Zero-learning-curve, for designer, for PA, for BIM manager.
- + This solo project started as a hobby project since 2021 inside a traditional project team, and developed over the years with higher sophistication, while stay up to date with external environment such as office market preference change, office digital infrastructure change, professional application API change.
- + A engaging and light-hearted community of support help increase adaptivity within office.



EnneaDuck

Merit & Award:

AIA Henry Adams Award	2016
George T.Droste Scholarship for structural engineering study	2015
Faculty Selection Award, General Academic Proficiency and Promise of Excellence in Architecture	2013-2016
Hyperloop Campus, Las Vegas, Honorable Mention	2020
Greenway to Ideal City, Parcel 2, Chengdu, China, 2nd Place	2019
Non Architecture: Dance, A Measurement of Isolation, Finalist	2018
Tokyo Anti-Library, Tokyo, Honorable Mention	2018
Archasm Int’l Competition: Liberty Museum, New York, Freedom To The People,Top 50	2016
Int’l Contemporary Furniture Fair at NYCxDesign week, Lounging in mycelium chairs with TerreformONE	2016
Magna Cum Laude Honors, Dean’s List, 2012-2016	2016