



# S O U N G M I N Y U

PhD ARB RIBA

건축학 박사 / 영국 왕립 건축사

## SUMMARY

경력 요약

- Practicing architect, researcher, and educator based in Seoul and London
- UK Chartered Architect with 14 years of professional experience in practice
- Experience in wide range of project types, scales and design stages with built projects
- Experience leading a team for design projects and research
- PhD (Dr. phil) with research focus in social performance of built environment, knowledge-based workplace design, and computational design methodology integrating empirical data and agent-based modelling
- Teaching experience at all levels from first year Undergraduate to MArch courses
- Experience working as a design architect and as a part of a specialist group to create a computationally driven new design methodology considering social aspects of buildings

## CURRENT

현재

**Assistant Professor (Tenure-track) in Design**

**Yonsei University, Seoul, Korea**

Department of Interior Design and Built Environment  
College of Human Ecology

**Director**

**Spatial Design & Design Intelligence Lab**

Yonsei University, Seoul, Korea

## EDUCATION

학력

**Dr. phil**

**Universität für angewandte Kunst Wien, Austria**

2016 Oct - 2021 May

Sehr Gut - highest grade, equivalent of summa cum laude

Supervisors:

Dr. Patrik Schumacher (Universität für angewandte Kunst Wien)

Prof. Dr. Kerstin Sailer (UCL)

**Master of Science**

**Architectural Association School of Architecture, London, UK**

2011 - 2012

MSc with Distinction in Emergent Technologies and Design

**Bachelor of Architecture**

**Cornell University, Ithaca, NY, USA**

2002 - 2007

(Dean's Honor List recipient 2006, 2007)

## EXPERIENCE

실무경력

### PRACTICE

**Zaha Hadid Architects, London** 영국

**Lead Architect**, Jun 2014 - Jan 2023

**UNStudio, Amsterdam** 네덜란드

**Architect**, Feb 2013 - Feb 2014

**Foster + Partners, London** 영국

**Architectural Assistant**, Mar 2008 - Jun 2011

**Skidmore Owings and Merrill, New York City**

**Junior Architect**, Jul 2007 - Mar 2008

강의경력

### TEACHING

**Bartlett School of Architecture, UCL** 영국

**Lecturer, Design tutor** (equivalent of adjunct assistant professor)

MArch Urban Design

Oct 2022- Dec 2022

Oct 2020 - Oct 2021

**Architectural Association School of Architecture**

영국

**Technical tutor** for Schumacher Studio

MArch Design Research Lab

Oct 2017 - Sept 2019

**Harvard University Graduate School of Design** 미국

**Workshop Instructor** for Schumacher Studio

**Cardiff University** 영국

**Vertical Studio co-leader**

1st and 2nd year

**TU Delft Hyperbody** 네덜란드

**Guest lecturer**

Undergraduate 4th and 5th year

**PUBLICATIONS,  
EXHIBITIONS &  
LECTURES**

논문 및  
학술발표, 전시,  
강연

<b>Space Syntax, University College London</b> ( <i>Invited Lecture</i> )		Nov 2022
<b>Automation in Construction</b> <i>Title: Evaluating Architectural Layouts for Occupancy Pattern and Interactions Using Agent-Based Modelling as a Methodology for Workplace Design</i>	Sole Author	Revised submission under review
<b>Building and Environment</b> <i>Title: Agent-based modelling for simulating occupancy pattern and social behaviour in workplaces using survey data</i>	Sole Author	Oct 2022
<b>European Association of Architectural Education Conference</b> <i>Title: Algorithmic approaches to occupant centric design</i>	Sole Author	Abstract Accepted August 2022
<b>Dongdaemun Design Plaza, Seoul Exhibition</b> <i>Research work in ZHA special exhibition 'Meta-Horizons Future Now'</i>	Co-author	May, 2022
<b>Hong Kong Design Institute Exhibition</b> <i>Research work in ZHA special exhibition 'Vertical Urbanism'</i>	Co-author	Jan 2022 - Jun 2022
<b>Brain Korea Lecture at Yeonse University</b> ( <i>Invited Lecture</i> )		Dec 2021
<b>Museum of Contemporary Art Shanghai Exhibition</b> <i>Research work in ZHA special exhibition 'ZHA Close Up - Work &amp; Research Exhibition'</i>	Co-author	Jul 2021 - Aug 2021
<b>PhD Thesis</b> <i>Title: Social Performance Driven Design: Agent-based simulation for workplace design</i>		May 2021
<b>DC I/O Conference</b> <i>Title: Agent-based Parametric Semiology</i>	Co-author	Oct 2020
<b>Social Simulation Conference</b> <i>Title: Agent-based model and empirical data integration in architectural design methodology for corporate offices</i>	First author	Sep 2019
<b>IoA University of Applied Arts Vienna</b> <i>Exhibition and symposium on agent-based Parametric Semiology</i>	Symposium Speaker & Exhibition	May 2019
<b>Architectural Association Symposium &amp; Exhibition</b> <i>Exhibition and symposium on agent-based Parametric Semiology</i>	Symposium Speaker & Exhibition	Dec 2018
<b>Next Generation Building Journal</b> <i>Title: Performance driven self-supporting curved surface morphologies and tectonic in current practice</i>	First author	Oct 2015
<b>ACADIA</b> <i>Title: Multi-scalar Agent-based complex design systems, The case of CECO(Climatic Ecologies)studio : Informed generative design systems and performance driven design work flow</i>	Co-author	May 2014
<b>Journal of Asian Architecture and Building Engineering</b> <i>Title: Climatic Formations : Evolutionary Dynamics of urban morphologies</i>	First author	May 2014
<b>CAADRIA</b> <i>Title: Urban Genome</i>	Contact author / Co-author	May 2014

Zaha Hadid Architects



**Shenzhan Tower C**

Current Status: Under Construction

Site: Shanzhen, China Project Scale: 400m tall tower Stage: Concept - Detail Design

Role: Lead architect for Regent Intercontinental 5 star hotel

Responsible for coordination with client, consultants and design team to deliver the hotel within the tower. The project is one of the tallest tower under construction in Shanzhen and a landmark of the city.



**Sberbank Techno Park**

Site: Moscow, Russia Project Scale: 262,000m<sup>2</sup> Stage: Inteior Design Competition

Role: Project lead of the applied research

Responsible for the application and delivery of the applied research on the project. Application of the agent-based model in the design process to assess the design options based on the simulation of human spatial and social behaviour, coordination of the research and design team.



**Infinitus**

Current Status: Completed, published online 2021

Site: GUangzhou, China Project Scale: 185,000 m<sup>2</sup> Stage: Interior architecture design competition win

Role: Design lead

Winning competition scheme of the office headquarters interior design. Responsible for the design of the shared amenities spaces.



**Agent-based Parametric Semiology Research**

Current Status: Exhibited in various places

Site: Applied research (2017-2020)

Role: Research projects lead and team member

Responsible for research coordination, lead architect for project application of the research, responsible for research exhibition



**Libertador Residential Tower**

Current Status: Under Construction, Published online in 2021

Site: Buenos Aires, Argentina Project Scale: Interior Design Stage: Concept - Detail Design

Role: Responsible for design and delivery the project. Design development production, client, consultant, and internal team coordination.



**Yulon Development**

Current Status: Under construction

Site: Taipei, Taiwan Project Scale: 400,000m<sup>2</sup> Stage: Concept - Construction Documentation

Role: Package leader

Responsible for tower facade package: design development, geometry setting out, rationalization, 3D model coordination and detail. In charge of developing parametric model and customized scripts for facade.



**Stuart Weitzman Flagship Stores**

Current Status:Completed

Site: Hong Kong, China, Rome, Milan, Italy Project Scale: 250 m<sup>2</sup> Stage: Completed

Role: Design lead

Responsible for the design, development and coordination during the early stages of the design.

UNStudio



**Motion Matters Exhibition**

Current Status: Completed

Site: Aedes, Berlin and MAXXI, Rome Project Scale: 150m<sup>2</sup> Stage: Completed

Role: Project Architect

Responsible for design, execution, coordination, and search for sponsorship of the project



**Guangzhou Art Museum Competition**

Site: Guangzhou, China Project Scale: 80,000 m<sup>2</sup> / each museum Stage: Competition

Role: Team member

Responsible for the design of the museum classing. Shared responsibility to develop concept of the museum design and production.



**Biscayne Blvd Residential Towers**

Site: Miami Project Scale: 400,000m2 Stage: Concept Design

Role: Design lead

Responsible for the design of the tower facade. Shared responsibility for the design of the towers

**Foster + Partners**



**Zayed National Museum**

Current Status: Under Construction

Site: Abu Dhabi, UAE Project Scale: 45,000m2 Stage: Concept- Construction Documentation

Role: Package leader

Winning competition scheme. Responsible for delivering the main gallery pod package from concept to construction documentation. Responsible for the design concept, development and geometry statement.

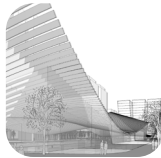


**YTL Headquarter Tower Facade**

Site: Kuala Lumpur, Malaysia Project Scale: 200m tall tower Stage: Concept Design

Role: Designer

Responsible for the redesign concept of the tower cladding



**Financial District Competition**

Site: Beijing, China Project Scale: 800,000m2 Stage: Competition

Role: Responsible for designing key elements within the masterplan submission and the aesthetic supervision and delivering the physical model for the competition entry



**Shanghai Bund Redevelopment**

Current Status: Completed

Site: Beijing, Chain Project Scale: 400,000m2 Stage: Concept Design

Role: Tower concept design as a part of joint venture team of Foster + Partners and Heatherwich Studio



**Masdar University**

Current Status: Completed

Site: Abu Dhabi, UAE Project Scale: Interior Design Stage: Completed

Role: Designer

Concept and Scheme Design of the interior of the university facilities including residential, library and canteen with emphasis on sustainability. Masdar is the world's first carbon neutral city development project.



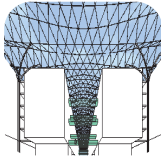
**Al Raha Beach**

Site: Abu Dhabi, UAE Project Scale: 247,000m2 Stage: Schematic Design

Role: Team member

participated in developing exterior cladding with complex geometric form

**Skidmore Owings and Merrill (SOM)**



**Moynihan Station**

Site: New York, NY Project Scale: 100,000m2 Stage: Concept Design

Role: Team member

Participated in the design concept development of New York Penn Station renovation 7th Avenue entrance and glazed roof



**Hudson Yard**

Current Status: Completed

Site: New York, NY Project Scale: Master plan Stage: Competition

Role: Team member

Participated in the competition of the large scale development of Hudson yard redevelopment and design of towers