

# HANXI WANG AIA, LEED AP BD+C

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## SUMMARY STATEMENTS

**Cross-disciplinary career:** I am a research student/architect who is passionate about generative and sustainable urban systems. In order to understand the multi-disciplinary complexities of the urban system I have lead a diversified career spanning both academic research and professional practice, and merging architecture, urban planning, landscape architecture and geography.

**Excellent academic record:** I have achieved multiple Dean's List honours and awards at the top architectural undergraduate program in the US, and was invited by professors to collaborate in multiple teaching and cutting-edge research opportunities.

**Extensive practice experience:** I am licensed as an architect in the US, and have cumulated over 4 years of practice experience between designing sustainable skyscrapers in NYC and internships in top design firms in the US, UK and Japan. I volunteered part-time for 1.5 years at the Museum of Reclaimed Urban Spaces. These experiences helped me develop extensive skills in communication and collaboration, a rigorous work ethic, and a high level of proficiency in design and problem solving.

**Sustainability expertise and leadership experience:** I was certified as accredited professional in sustainable design through LEED, and served as environmental analysis expert and research lead in specialised sustainable taskforce at FXCollaborative Architects, where I initiated and lead, among other projects, the development of the sustainable materials database containing over 3000 materials and created a digital tool for design teams to evaluate their selections and identify alternatives.

**International perspective:** Growing up as a foreigner within multiple cultures, I became adept at forming empathic connections and adapting quickly to unfamiliar situations. This in combination with the plurality of my own identity and expertise makes it possible for me to access multiple points of view and make connections between cultures, epistemes and disciplines.

## EDUCATION

- |             |  |
|-------------|--|
| 2021 - 2023 | <b>UNIVERSITY OF OXFORD</b>   Oxford, UK <ul style="list-style-type: none"><li>- Master of Philosophy in Nature, Society and Environmental Governance</li></ul>  |
| 2013 - 2018 | <b>CORNELL UNIVERSITY</b>   Ithaca, NY, US <ul style="list-style-type: none"><li>- B.Arch. 5-year Professional Degree</li><li>- 3 x Dean's Lists (GPA: 3.71)</li></ul>                                 |
| 2011 - 2013 | <b>WESTMINSTER SCHOOL</b>   London, UK <ul style="list-style-type: none"><li>- A-Level: Mathematics (A*), Further Mathematics (A*), Physics (A), Chemistry (A*)</li><li>- Japanese GCSE (A*)</li></ul> |

## CERTIFICATIONS

- |      |   |
|------|---|
| 2021 | <b>LICENSED ARCHITECT IN THE STATES OF MASSACHUSETTES &amp; NEW YORK, USA</b> |
| 2019 | <b>LEED ACCREDITED PROFESSIONAL, BUILDING DESIGN + CONSTRUCTION</b>           |

## ACADEMIC + RESEARCH

### RELEVANT SKILLS

- Statistical data analysis through MS Access and Excel
- Geospatial Information Systems (GIS) mapping and analysis through QGIS/ArcGIS and R
- Remote sensing data analysis through Google Earth Engine, proficient in Javascript and Python
- Digital mapping and visualisation through Adobe PS, ID, IL and AutoCAD
- Web and UX/UI design through Adobe XD and Figma
- Ethnographic research methods through research training at University of Oxford
- Highly proficient and experienced in communication and collaboration between disciplines
- Highly proficient and experienced in design thinking and problem solving

### RESEARCH EXPERIENCE

#### **ENVIRONMENTAL ANALYSIS EXPERT + SUSTAINABLE MATERIALS RESEARCH LEAD**

**2019 - 2021** | FXCOLLABORATIVE ARCHITECTS | New York City, NY, USA

- Advised project teams on sustainability strategies for design
- Pioneered sustainable materials database and advised teams on best practices on material selection
- Lead and oversaw LEED certification for multiple projects
- Key team member on sustainability taskforce, participated in studies, e.g. passivehaus retrofit proposal

**RESEARCH ASSISTANT** | Ithaca, NY, USA

**2015-2017** | HANNAH

- Worked with Assistance Professors Leslie Lok and Sasa Zivkovic on 3D concrete printing technology
- Designed 3D print products in various scales from stools to facade and structural systems
- Tested prototypes and created visualisations for exhibitions and clients

## TEACHING EXPERIENCE

### **2ND YEAR CORE STUDIO TEACHING ASSISTANT** | Ithaca, NY, USA

**Fall 2018** | CORNELL UNIVERSITY, DEPARTMENT OF AAP

- Worked with 58 2nd year B.Arch students under Assistant Professor Tao DuFour
- Provided weekly design critiques and presented training sessions in representation, model-making

### **STRUCTURAL SYSTEMS TEACHING ASSISTANT** | Ithaca, NY, USA

**Fall 2015** | CORNELL UNIVERSITY, DEPARTMENT OF AAP

- Worked closely with 12 students on large-scaled structure studies and modelling
- Provided guidance on understanding structural principles and strategies to simulate principles in model

## AWARDS

(selected)

**2021 HARVARD UNIVERSITY, GRADUATE SCHOOL OF DESIGN,**

**DEAN'S MERIT SCHOLARSHIP (\$30,000)** - Rejected for Oxford

**2016 RETHINKING THE FUTURE, TEMPORARY STRUCTURE** - Winner

**2015 ARCHDAILY BEST STUDENT WORK WORLDWIDE** - Winner

**2013 UN PERMANENT SLAVERY MEMORIAL INTERNATIONAL DESIGN COMPETITION** - Finalist

**2013 UK MATHEMATICS TRUST NATIONAL OLYMPIAD**

- Invitation to National Team training camp, Queen's College, Oxford
- Hayley, Hamilton, Maclaurin top scorer medals

## PUBLISHED WORKS

### **ARCHDAILY.COM**

<http://www.archdaily.com/771146/the-best-student-work-worldwide-archdaily-readers-show-us-their-studio-projects>

### **RETHINKING THE FUTURE**

<http://www.re-thinkingthefuture.com/temporary-structure/fluid-pavilion-hanxi-charisse/>

### **ASSOCIATION VOL.7**

published by the College of Architecture, Art and Planning, Cornell University (hardcopy available upon request)

## LANGUAGES

**MANDARIN** (Native); **ENGLISH** (Native); **GERMAN** (B2); **JAPANESE** (GCSE - A\*); **FRENCH** (GCSE - A)

## PROFESSIONAL EXPERIENCE (selected)

### **FXCOLLABORATIVE ARCHITECTS** | New York, NY

**May 2017 - Jan 2018, Jan 2019 - Aug 2021** | Architectural Designer (later Architect) + Sustainability Analysis Expert

- Architectural designer working directly with partners developing projects from pre-design to DD, work included concept development, programming, massing, facade, drawings sets, zoning applications (ULURP), e.g. 495 11th Ave, CBC, Javits Tow Pound, Hoboken Yard Terminal
- Coordinated construction documents, structure and systems for 3 Hudson Boulevard (56-story commercial skyscraper in Hudson Yard and the largest project within the firm)

### **NADAAA** | Boston, MA

**May-Aug 2015** | Architectural Intern

- Worked on design development, detail design, physical and digital modeling, structural testing, CNC digital fabrication, exhibition graphic design and construction.
- Developed design from concept to shop drawings, including rendering, construction drawings, physical modeling.

### **SKIDMORE, OWINGS & MERRILL** | New York, NY

**Sep-Dec 2016** | Architectural Intern

- Worked on visualization, diagrams, interior test fits of office floors, gym and sauna for Hyundai Global Business Center in Seoul

### **JUNYA ISHIGAMI + ASSOCIATES** | Tokyo, Japan

**May-Aug 2014** | Architectural Intern

- Worked intensively on detailed physical models and visualisations of several projects for exhibition and competition
- Designed options for residential project Restaurant and Home

### **GRIMSHAW ARCHITECTS** | London, UK

**Jun 2013** | Architectural Intern

- Worked on the design of the crossrail barrier wall, model making and diagramming.

## VOLUNTEERING (selected)

### **MUSEUM OF RECLAIMED URBAN SPACES** | Lower East Side, NY

**2019-2020** | Volunteer

Located in the iconic "C-Squat", the Museum of Reclaimed Urban Spaces (MORUS) celebrates the urban activism that transformed abandoned spaces into community gardens. I volunteer on weekends, helping to lead green up days in the gardens or organize events for the museum.