![europass logo] **Curriculum vitae**

PERSONAL INFORMATION

Wenqian Yang

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- https://wenqian157.github.io/
- github.com/wenqian157
- gitlab.com/
- in www.linkedin.com/in/wenqian-yang
- ORCID 0009-0007-7423-7819

Date of birth Jun 5, 1986 | Nationality Chinese

WORK EXPERIENCE

Mar 2021 – now

Scientific Assistant & Lecturer
Digital Building Technologies, ETH Zurich

Extended Reality development in Architecture research and teaching, lead teaching of Advanced Computational Design Course and Design++ workshop 2025

Oct 2023 – Jul 2025

Scientific Assistant
Concrete Structures and Bridge Design, ETH Zurich

Teaching applications in construction and engineering

Nov 2019 – Dec 2020

Intern
Block Research Group, ETH Zurich

Software development for structure design

Aug 2010 – Aug 2017

Architect
LAB Architecure Studio, China & Australia

Architectrual designning, project managing, external coordinating

EDUCATION AND TRAINING

2018 – 2019

Master of Advanced Study in Architecture and Digital Fabrication
ETH, Switzerland

2017 – 2018

Master of Architecture(Distinction)
Bartlett School, University College London, United Kingdom

2005 – 2010

Bachelor of Architecture
Southwest Jiaotong University, China

PERSONAL SKILLS

Mother tongue Mandarin

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills	–

Organisational / managerial skills	–

Digital competences	SELF-ASSESSMENT				
	Information Processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Computer skills
- **Architecture Design and Fabrication**: In-place robotic fabrication with timber Large scale 3D printing with concrete and polymer
- **Software Developing**: XR Application on HoloLens, Android & IOS, WebGL Grasshopper and Rhino Plugins
- **Machine Learning and Deep Learning**: Image processing, Object recognition, Generative design

CERTIFICATIONS AND LICENSES
Driving licence

ADDITIONAL INFORMATION
Projects

Voluntary

Thesis

Publications

2025 Mola-Advancing Generative Design in Architectural Pedagogy: An open-source library and plugins for rule-based mesh subdivision for computational design education
W. Yang, B. Dillenburger
Tokyo, Japan(The University of Tokyo) CAADRIA

2025 Mixed-Reality Apartment Layout Design Using Scaled 3D-Printed Furniture Models as Interactive Markers
W. Yang, A. Savov, B. Dillenburger
Hong kong(The University of Hong Kong) CAAD Futures

Abstract accepted; full paper under review 3D Textbook and Beyond: Interactive Learning Platforms for Architectural and Structural Education
W. Yang
Taiwan(Ming Chiao Tung University) CAADRIA

Submitted for review Augmented Reality for Structural Inspection of Historic Monuments: The Case of Lausanne Cathedral

R. Maia Avelino, W. Yang, et al.

Online (Open Access Journal) International Journal of Architectural Heritage

2025 The Lausanne Cathedral seen through XR: Structure and Materials

R. Maia Avelino, Y. Patankar, W. Yang, et al.

Lausanne cathedral SAHC

2025 Heritage ++, a Spatial Computing approach to Heritage Conservation

Y. Patankar, C. Tennenini, W. Yang, R.J. Flatt, et al.

Online (Open Access Journal) RILEM / Springer Nature

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