

# Qi Xuanning

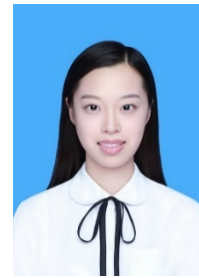
Harbin Institute of Technology

School of Architecture

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## EDUCATION

- 2018.09 — Current **Harbin Institute of Technology (HIT), PhD Student**  
School of Architecture, successive master-doctor program  
**Research Area:** Computational design, Daylight design, Occupant behavior, Visual cognition
- 2013.09 — 2018.07 **Central South University (CSU), B.Arch**  
**Thesis:** Research on adaptive reconstruction design of old industrial buildings based on Hotel mode

## PUBLICATIONS

- 2022.01 Zhaoyang Luo, Cheng Sun, Qi Dong, **Xuanning Qi**. *Key control variables affecting interior visual comfort for automated louver control in open-plan office--a study using machine learning*. Building and Environment, 2022, 207: 108565.
- 2021.05 Cheng Sun, **Xuanning Qi**, Yunsong Han. *Seasonal characteristics of CIE standard sky types in northeast China*. Solar Energy, 2021, 220: 152-162.  
[DOI: <https://doi.org/10.1016/j.solener.2021.03.015>]
- 2021.03 **Xuanning Qi**, TianTian Lo, Yunsong Han, *Designing for Human-VR Interaction---How VR interaction can be designed to bring better design participation*, CAADRIA 2021, Hong Kong, 29 March ~ 1 April 2021.  
[Conference presentation video: <https://caadria2021.org/session-6A#037>]
- 2020.09 **Xuanning Qi**, Yunsong Han, Cheng Sun, *Using Real-time Feedback Daylighting Analysis Method to Estimate Indoor Visual Discomfort*, PLEA2020- Planning Post Carbon Cities, Spain, 1<sup>st</sup>~3<sup>rd</sup> September 2020.  
[Conference presentation video: [https://www.youtube.com/watch?v=-Jyqgx3\\_HFo](https://www.youtube.com/watch?v=-Jyqgx3_HFo)]
- 2020.03 **Xuanning Qi**, Cheng Sun, *Research on Optimal Design of Building Daylighting Performance in Cold Regions Based on Progressive*, Journal of Human Settlements in West China, 35(02), 1-6. [DOI: 10.13791/j.cnki.hsfwest.20200201]
- 2020.07 **Chinese invention patent**  
*Building adaptive skin shading system capable of sensing user behavior and control method*. [CN111441705A]
- 2020.06 **Chinese invention patent**  
*An evaluation method and device of indoor light environment design integrating spatial information*. [CN111259481A]
- 2020.02 **Chinese invention patent**  
*An immersive simulation method of building indoor glare based on local sky model*. [CN109283855B]
- 2017.08 **Chinese utility model patent** (Only inventor)  
*A kind of handrail structure for building*. [CN206368505U]

## AWARDS, FELLOWSHIPS&GRANTS

2019	<b>[Second prize]</b> ‘Computational Design 2019’ organized by the Architectural Society of China Computational Design Academic Committee
2019	<b>[Third prize]</b> Five East Asian Universities Urban Architecture Studio
2019	<b>[Second prize]</b> The First China Arctic Wood Structure Design Competition
2018	<b>[Second prize]</b> Special scholarship for outstanding master students of Harbin Institute of Technology
2018/2019	<b>[First prize]</b> Basic scholarship for master students promoted by Harbin University of Technology

## SOCIAL PRACTICE

2020.04---Current	Participated in the 2021 Solar Decathlon China (SDC) competition as the head of the construction technology group
2019.12---2020.01	Served as a teaching assistant in the "Computational Design 2019" Work Camp of the Computational Design Academic Committee of the Architectural Society of China
2019.07---2019.08	Participated in Five East Asian Universities Urban Architecture Studio
2018.12---2019.01	Excellent volunteers of Harbin Institute of Technology International Ice and snow construction competition
2015.09---2016.05	Completed the national innovation and entrepreneurship project of Central South University and served as the project leader
2015.07---2015.08	Participated in the University of British Columbia (UBC) Summer Camp

## DESIGN EXPERIENCE

2020.03---Current	Design of Chongqing Liangjiang New District Industrial Park Project
2019.10---2019.11	Reconstruction Design of Historic District in Aihui Town, Heihe
2019.07---2019.08	Reconstruction design of toll station and tourist center in Huihui town of Heihe River
2019.01---2019.03	Design of Harbin Wapen Kiln Toll Station
2018.11---2019.01	The Library Design of the New Campus of Changchun University of Technology
2018.09---2018.11	Design of Teaching Building in the New Campus of Heilongjiang Institute of Technology