

# ISABELLA (YAORAN) SHI

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## EDUCATION

### Carnegie Mellon University

Bachelor of Architecture  
3.92/4.0 Aug 2021 - May 2026  
Double major in Human-Computer Interaction (HCI)  
Dean's List from 2022 Spring to 2023 Fall

### Coursework

- Architecture Studio: Poesis I, II, III; Options; Praxis I, II
- Drawing: Drawing I & II
- Digital: Digital Media I & II, Generative Modeling, Computational Design
- History: World, Modern, Asian Architecture
- Structure: Wood Shop, Building Physics, Materials & Assembly, Structural Design
- Design Context: Urbanism, Environmental Design
- Other: Cognitive Psychology, Math, Logic, Statistics, Fundamentals of Programming, Programming User Interface, HCI Studio

## SKILLS

### Software

Adobe Suite, Rhino, AutoCAD, Enscape, V-Ray, KeyShot, D5 Render, Microsoft Suite, Google Suite

### Programming Language

Python, Javascript, CSS, HTML

### Technical

Woodshop, drawing, lasercut, modeling, rapid prototyping

### Communication

Teamwork, leadership, project management, ideation, human-centered design, public speaking, writing

## PROFESSIONAL EXPERIENCE

### Carnegie Mellon University, Pittsburgh, PA

Material Research Assistant May 2023 - Sep 2023

- Conducted in-depth research on interior material options, with a focus on cork, to identify a sustainable and aesthetic solution
- Explored architectural terracotta as an exterior material option, in particular the expression of iridescent glazing on residential building, through rendering

Pre-college Teaching Assistant

Jun 2023 - Aug 2023

- Created tutorials and hosted software training sessions on Rhino and Photoshops for 60 students, in collaboration with the teaching team
- Engaged in daily studio critiques with students to offer work feedback
- Plan a public final exhibition curating students' works to showcase growth

### gk+a Architects, Rutherford, NJ

Architecture Intern

Jun 2022 - Aug 2022

- Drafted and analyzed multiple commercial projects, utilizing AutoCAD to enhance interior space efficiency
- Engaged with clients on residential renovation, translating needs into actionable design plans for a desirable home

### Valode & Pistre, Beijing, China

Architecture Intern

Jul 2021 - Aug 2021

- Created diagrams and marketing materials targeted toward media and potential clients through interviewing architects and compiling records

### Beijing University of Civil Engr. and Arch., Beijing, China

Research Assistant

Jun 2018 - Aug 2018

- Conducted evaluations and documented preservation needs at Ming Dynasty royal tombs, culminating in a detailed report to the Beijing Government to inform future conservation strategies

## ACADEMIC EXPERIENCE

### Hainan Shophouse Research

First Author

Jun 2022 - Present

- Analyzes historical records and visual evidence to understand stylistic integrations of Chinese and Western Architecture in Hainan Shophouse

### "The Analysis of the First Major Transformation of Architectural Aesthetics in China"

First Author

Aug 2019 - Dec 2020

- Explores causes and effects of style transformation through case study
- Peer-reviewed and accepted by the International Conference on Literature, Art and Human Development and submitted to CPCI and CNKI for indexing

### "Taphonomic bias in collections of horse phalanges from the Barstow Formation (Miocene) and Rancho La Brea (Pleistocene) of California, USA"

Co-first Author

Aug 2019 - Apr 2021

- Investigated the cause of uneven distribution of horse phalanges
- Peer-reviewed and published on PaleoBios, world-renowned academic journal of paleontology