



# ZHENNAN YAO

TEAM MEMBER

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Southern University of Science and  
Technology, Shenzhen, 518000, China

## LANGUAGES

English

## SKILLS

Synthesis, Characterisation And  
Data Analysis Of Innovative  
Materials

3d Modelling Software Use

Exploration Of Topological  
Structures

Use Of Office And Data Analysis  
Software

## ABOUT ME

I possess a vibrant and cheerful disposition, complemented by fluent and confident communication abilities. My work ethic is characterized by unwavering diligence and a dedication to achieving excellence. Simultaneously, I cultivate creativity and consistently generate innovative ideas. Thriving in collaborative team environments, I excel in fulfilling my designated role. My fervent passion for sports underscores my belief in the profound impact of a healthy lifestyle on mental well-being

## WORK EXPERIENCE

### TEAM MEMBER

DIGITAL FUTURE | SHANGHAI

JUN 2023 - JUL 2023

#### Design Workshop at International Conference:

- Week-long assignment to optimize the topology of a cantilevered structure.
- Meeting structural requirements and emphasizing mathematical beauty.
- Generated a secondary design proposal for the Colosseum.

## EDUCATION

### BACHELOR OF TECHNOLOGY

NANCHANG UNIVERSITY | NANCHANG

2022

#### Education:

- Bachelor's degree in Materials Science and Engineering, specializing in inorganic non-metallic materials from Nanchang University.

#### Research:

- Innovative Applications of Shape Memory Alloys in the Field of Solid-State Refrigeration.
- The Application of Renewable Protective Coatings in the Nuclear Industry

#### Leadership:

- Served as Vice Chairman of the Student Union, gaining valuable experience in organizing large-scale cultural and sports events.

#### Achievements:

- Consistently recognized as a student leader and achieved sixth place in the university's basketball league.

### MASTER'S DEGREE

SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY |  
SHENZHEN

2024

#### Education:

- School of Design, Southern University of Science and Technology (SUSTech).
- Specialized in innovative use of porous ceramic materials for indoor humidity control.

#### Research:

- Co-authored a research paper presented at the international conference Hcii 2023. Research focused on indoor environmental study and the application of porous ceramics.

#### Design Competitions:

- Demonstrated design prowess in the Shanghai Jiao Tong University 24-hour design competition, securing a top-twelve position.

#### Collaborative Exhibitions:

- Assisted a mentor in participating in the UABB (Bi-City Biennale of Urbanism\Architecture) exhibition. Collaborated on the project titled "FUTURE MEMORIES."
- Collaborated with peers in a cross-disciplinary exhibition at the School of Design, titled "No Boundaries? A Journey across Disciplines." Utilized AI image generation techniques to inspire design concepts.

#### Workshop:

- Contributed to the Digital Future Workcamp at Tongji University. Applied topology optimization to redesign an overhanging structure. Participated in innovative design projects related to the ancient Roman Colosseum.

#### Honors:

- Recognized as an Outstanding Communist Party Member at the School of Engineering, Southern University of Science and Technology.