

# ZOU Xingchen

Date of Birth: 2000.03.06

Contact Info.: (+86) 15348154329, xczou@connect.hku.hk

Add.: Yibin, Sichuan Province, China

## EDUCATION BACKGROUND

Sep.2018-Jun.2022	<b>Wuhan University (985&amp;211 Project University)</b> Bachelor of Engineering      Major: Civil Engineering      GPA: 3.60/4.0 ( <i>top 10%</i> ) <b>Core courses:</b> Mechanics of Materials A2 100, Soil Mechanics 92, House Construction 95, Rock Mechanics and Engineering 97, Structural Mechanics 91, Surveying Experiment 99, Experiment of Mechanics 96, Fluid Mechanics 93, Construction Machinery 92, Principle of Steel Structures 95, Elastic Mechanics and Finite Element 92, Multimedia Technology and Virtual Reality 96, Smart City and Civil Engineering 93, The Progress of Artificial Intelligence 92, Matlab Programming 89
Sep.2022-Present	<b>The University of Hong Kong</b> Master of Science      Major: Structural Engineering      GPA: <i>to be updated</i> <b>Core courses:</b> <i>To be updated</i>

## EXPERIENCE

Sep.2021-Dec.2021	<b>Research Assistant, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences</b> <ul style="list-style-type: none"><li>Carried out extensive triaxial shear and tensile tests on rocks</li><li>Responsible for the development of test programmes and the operation of test machines, as well as the collation of initial data.</li></ul>
Jul.2022-Aug.2022	<b>Redbird Challenge Camp, The Hong Kong University of Science and Technology (GZ)</b> <ul style="list-style-type: none"><li>Discussed exciting topics such as the spirit of innovation and multicultural exchange in a global context.</li><li>Designed a technological solution for remote nucleic acid sampling based on 5G communication.</li></ul>
Jul.2021-Sep.2021	<b>Fosun International, Forte Group Co., LTD; Sichuan Province, Engineer Intern, Full-time</b> <ul style="list-style-type: none"><li>Assisted in managing the engineering project, responsible for cooperating with supervision unit to monitor the security, procedure and quality of the project.</li><li>Learned knowledge of buildings and structures; Studied the method of checking work drawings and conducted analysis of engineering qualities.</li></ul>

## PUBLICATION AND ACADEMIC

Mar.2022	<b>“Experimental study on mechanical properties of layered slab-crack composite structure rock mass”;</b> Chinese Journal of Rock Mechanics and Engineering ( <i>EI Compendex</i> ); <i>Under Review</i>
May.2022	<b>Graduation Thesis “Experimental study on the mechanical properties of layered rock masses”;</b> <i>out-standing thesis of the School of Civil Engineering, Wuhan University</i>
Oct.2020-Apr.2021	<b>The 2<sup>nd</sup> Prize; National Structural Design and Information Technology Competition; CCES (China Civil Engineering Society)</b> <ul style="list-style-type: none"><li>Worked as the leader of the representative team of Wuhan University and directed the whole research process.</li><li>Used Revit, PKPM, GSCAD and other engineering software to model and analyze the structures, and completed the structural design and drawing of a teaching building.</li><li>Adjusted the design and structural parameters for better structural rationality</li></ul>
Sep.2019-Oct.2019	<b>The 2<sup>nd</sup> Prize; The 12<sup>th</sup> Structural Design Competition for College Students; Wuhan University</b> <ul style="list-style-type: none"><li>Designed the structure of a crane independently, used Ansys to do engineering simulation, and optimized the design with the help of the result of the simulation.</li><li>Used wooden materials to model a structure which weighed only 54.2 grams in total but could carry a load of 5 kilograms.</li></ul>

## AWARDS AND HONOURS

**Excellent Student Scholarship (top 20%);** Wuhan University  
**Outstanding Student (top 30%);** Wuhan University  
**Excellent Student Cadre of Wuhan University (top 1%);** Wuhan University  
**Social Activist (top 4%);** *Twice*; Wuhan University  
**Excellent Director (top 2%);** Students' Union, Wuhan University  
**Outstanding Graduate;** Wuhan University

## OTHERS

<b>Skills</b>	AutoCAD, Revit, PKPM, USCAD, Photoshop, C++, Pytorch, MySQL
<b>Hobbies</b>	Photography, Singing, Painting, Calligraphy