

# LEI PAN

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## EDUCATION

### SHANGHAI JIAOTONG UNIVERSITY, CHINA

ZHIYUAN HONORS PROGRAM

BS IN CHEMISTRY

Expected July 2018

Cum. GPA: 3.55 / 4.0

Major GPA: 3.56 / 4.0

## COURSEWORK

### UNDERGRADUATE

Chemical Principle

Physical Chemistry

Inorganic Synthesis

Organic Synthesis Methods

Analytical Chemistry

Polymer Chemistry

Polymer Physics

Biology(Micro)

Physical Education

Mathematical Analysis

Probability

Linear Algebra

### OTHER

Social Psychology

Scientific Writing and Publishing

( the Nature Masterclasses online course)

## SKILLS

### PROFESSIONAL

MS Modeling • Gaussian 03W

Chem Draw • Origin

### OTHER

L<sup>A</sup>T<sub>E</sub>X • Photoshop • Premiere

After Effects • Blender

Bamboo flute

## AWARDS

### NATIONAL

China National Inspiration Scholarship

### UNIVERSITY

Shanghai Jiaotong University's Award for learning

Hanyingjuhua Inspiration Scholarship

Zhiyuan Honors Scholarship

### OTHER

Shupin Scholarship

Renwenyu inspirational scholarship

Suzhehu Inspiration scholarship

## RESEARCH

### HONG YANG | PYROCHLORE-TYPE YTTRIUM RUTHENATE MATERIAL UNDERGRADUATE OVERSEA RESEARCH

July 2017 – Jan. 2018 | University of Illinois at Urbana-Champaign

- Find acid-stable electrocatalysts with low overpotential for oxygen evolution reaction(OER)
- Study OER activity descriptors
- Seek new methods to obtain the material at a lower temperature
- Publication will be submitted

### JIANBO WU | PT-BASED NANOMATERIALS FOR ELECTROCATALYSIS

Nov. 2016 – Current | Shanghai Jiaotong University

- Revise Pt-based electrochemical catalysts for oxygen reduction reaction(ORR)
- Find Morphology-controllable two-dimensional materials
- Study of electrochemical activity descriptors
- Publication will be submitted

### SHUYU ZHANG | THE TOTAL SYNTHESIS OF A SPIRO COMPOUND

July 2015 – Oct. 2016 | Shanghai Jiaotong University

- The total synthesis of one kind of spiro compounds by semi-Pinacol rearrangement
- Revise their performance as ligands

## EXPERIENCE

### GLOBAL SCIENCE MAGAZINE | TRAINEE JOURNALIST

THE CHINA EDITION OF SCIENTIFIC AMERICAN

Aug. 2017 – Present | Shanghai, China

Work with promising elites from various fields to report the state-of-the-art researches, as well as translate and publish articles on Scientific American, the famous magazine.

### ZHIYUAN COLLEGE MANAGEMENT ASSISTANT |PART-TIME JOB

Jan. 2018 - Present | Shanghai, China

### STAGE SHOW |ACTRESS AND POST-PRODUCTION

Jan. 2018 and Spring 2017 | Shanghai, China

Participated twice in the stage shows created by SJTU Cross-talk club. The show attracted over 600 audience and the compiled videos got over 2000 clicks on Internet.

### SURPASS UNION PROGRAM | HEAD START ORGANIZER

Sept. 2016 – June 2017 | Shanghai, China

Lead the development of Surpass Union Program, which is established by only 7 students aiming to construct an online platform for learning communication. As the leader, I obtained more important asset than skill and knowledge, that is confidence.

### TEACHING EXPERIENCE |PART-TIME JOB

July. 2016 - Jan. 2017| Shanghai, China

Assisted a grade 6 student improve her performance in mathematics.

### COLLEGE STUDENT UNION | MEMBER OF ADVOCACY CENTER

Mar. 2016 – June 2017 | Shanghai, China

The first working experience in university. The main work was to design posters and edit videos. Those past works could be found at my personal website.