

# Xinle Zhang

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## Education

### Drexel University

Philadelphia, PA

Master of Science, *Materials Science and Engineering*

Sept. 2021–Present

### Qingdao Agricultural University

Qingdao, China

Bachelor of Engineering, *Chemical Engineering and Process*

Conferred: Jul. 2020

Thesis: Performance investigation of Co-Cu based nanowire arrays for Lithium-ion batteries

## Experience

### Graduate Research Assistant

Philadelphia, PA

Materials Electrochemistry Group, Drexel University

Sept. 2021–Present

- Synthesizing and understanding 2D layered nanomaterials for energy storage application

### Undergraduate Research Assistant

Qingdao, China

Electrochemistry Lab, Qingdao Agricultural University

Oct. 2018–Jun. 2020

- Synthesized freestanding cobalt-copper based nanomaterials for lithium-ion batteries
- Synthesized biomass-originated carbon materials for supercapacitors
- Trained new lab members in safety regulations & lab skills

### Environment Engineer Intern

Qingdao, China

Jingcheng Detection Technology Co., Ltd.

Mar. 2018–Jun.2018

- Collected chemical waste from chemical plant and escorted for lab testing
- Processed data for Environmental Impact Assessment (EIA) report

## Skills

### Research:

- Wet chemical / Hydrothermal synthesis | Thermal annealing treatment
- SEM / XRD Characterization | Electrode preparation | Coin-cell packaging
- Electrochemical workstation data processing

**Software:** Microsoft Office | Origin Lab | Endnote | Crystal Diffract

**Language:** English | Mandarin (Native)

## Publication

- Mengdie Guan, Xinle Zhang, ..., Jie Wang. Biomass Straw Based Activated Porous Carbon Materials for High-Performance Supercapacitors. *Research and Application of Materials Science* (2019), 27-30.

## Honors & Awards

- 2021 • College of Engineering Dean's Fellowship, Drexel University
- 2020 • Outstanding Student Scholarship, Qingdao Agricultural University
- 2019 • Merit Student of Chemistry and Pharmacy College, Qingdao Agricultural University