

# YITIAN WANG

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## EDUCATION

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**Columbia university in the city of new york, NY**

Aug. 2019 - Present

Master of science

Material science and engineering

**Beijing normal university, CN**

Sep. 2015 - Jul. 2019

Bachelor of science

Physics

## RESEARCH EXPERIENCE

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**Doping  $C_3N_4$  in separator of lithium-ion battery**

Oct. 2019 - Now

**Columbia University**

New York, NY

Made  $g - C_3N_4$  doped separator from basic lab materials.

Installed button cells using the separator.

Tested eletrochemical and mechanical property of the separator.

**Low temperature uniaxial strain device**

Sep.2018 - May 2019

**Beijing Normal University**

Beijing, CN

Designed three different devices to apply uniaxial pressure on thin films  $BaFe_2As_2$  samples.

Ran tests on strain induced detwinning effect of the sample.

**Atomic Simulation in a nanotube system**

Calculated the energy gap between iron-carbon layers.

Simulate the motion of iron atoms when a voltage is applied on the surrounding nanotube.

## SKILLS

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**Modeling and Analysis**

MatLab, , StaadPro

**Software & Tools**

MS Office, Latex

## ACADEMIC ACHIEVEMENTS

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Runners up in B.G.Shirke Vidyarthi Competition for Innovative Project organized by Pune Construction Engineering Research Foundation in January 2018

Won First Prize in Model Making Competition Organized by Symbiosis Institute of Technology, Pune.

## **EXTRA-CIRRICULAR**

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Co-Organized Nirmitee 2017 - a National Symposium of Civil Department of MIT, Pune

Attended a workshop on Autodesk Revit at IIT Bombay in 2014.

Winner of Inter Departmental Football Competition 2015.

Member of the Rotaract Club Of Pune Pride from 2014 to 2017.

Worked for a start-up company Named OUST as a Regional Marketing Manager

## **PERSONAL TRAITS**

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Highly motivated and eager to learn new things.

Strong motivational and leadership skills.

Ability to work as an individual as well as in group.