

# Kaige Sun

## **EDUCATION**

09/2017– Present Johns Hopkins University  
Master student in Mechanical Engineering

09/2013 – 06/2017 China University of Geosciences(Wuhan)  
Bachelor Degree in Machine Design Manufacture and Automation

## **RESEARCH EXPERIENCES**

- 02/2014-02/ 2016 **Project on the Research and Development of Oil Chemicals for EOR**
- Worked in the project as a research assistant, mainly dealing with the measurements and evaluation of the chemical corrosion on EOR equipments
  - Participated in research and development of experiment-related equipments
  - Finished the paper *Laboratory Study of Compatibility and Interaction of Scale Inhibitor with Oilfield Chemicals for ASP Flooding Chain* and published in Global Conference on Polymer and Composite Materials
- 03/2016-05/2016 **Province-Level National College Student Mechanical Innovation Design Competition**
- Contacted various instruments, such as numerical control machine tool, angle grinder, CNC milling machine and cutterbar, and mastered the use method
  - Learned many useful research methods
  - Realized the importance of team work and learned how to cooperate with other members to finish work well
- 02/2014-09/2014 **Research and Application of Green Test Process and Equipment for Oil and Water Wells**
- Investigated on site the oil-water overflowing quantity and mode of injection profile logging and production profile logging
  - Took advantage of mechanical structure principle to calculate and analyze the relation between the gap of sealing washer in blowout control box and cable with overflowing oil-water
  - Assisted the engineer to search documents about oil and water wells blowout preventer to contribute to research and application of built-in blowout preventer
  - Drew paper graph and published a paper as a third author

## **AWARDS AND HONORS**

- 05/2016 Province-level First Prize in National College Student Mechanical Innovation Design Competition
- 05/2016 College-level Excellent Student
- 10/2015 School-level Third Prize in College Student Social Practical Activity of Going to Rural Areas