

Kailin Chen

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Chicago, IL 60607

Research Experience

University of Illinois at Chicago

Chicago, IL

Research Assistant

May.2018-present

- Investigate the spunbond process with numerical simulation.
- Predict the effects of processing parameters on spunbond fabric numerically.

Professional Experience

- Collaborated with team and published an article about rock cutting cleanser improvement and applied a patent.

March.2017

- Designed and built a prototype of a bench-top wind tunnel.

May.2017

- Built a computational and physical model for Reicofil spunbond line.

May.2018-November.2018

- Developed a numerical method to simulate the spunbond web on the belt.

November.2018-May.2019

- Predicted spunbond web properties under the effect of processing parameters.

May.2019-present

Honors and Awards

- Honorable Mention Awards of 28th Expo, UIC (America), 2017
- Scholarship for Academic Excellence of 2014, 2015, NEU (China)
- Outstanding leader of the Youth League, 2014-2015, NEU (China)

Education

Ph.D., Mechanical and Industrial Engineering | University of Illinois at Chicago

expected 2022

M.S., Mechanical and Industrial Engineering | University of Illinois at Chicago

May.2018

B.S., Mechanical Engineering | Northeastern University (China)

June.2017

Skills and Interests

Computer: Fortran, MATLAB, MS Office, SolidWorks, ANSYS, Python, AutoCAD

Languages: English(proficient) and Chinese(native).

Interests: Reading, music, biking and hiking.

Conferences and Additional Experiences

- 4 refereed conference presentations at national conferences.
- Marketed Taiyuan Iron & Steel (Group) Co. in China.
- Volunteered in nursing house to accompany the old people.