ZHU SHOUDONG

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EDUCATION

B.E. in Chemical Engineering and Technology, Tianjin University   08/2017 – 07/2021
M.S. in Chemical Engineering/System Engineering(expected), Cornell University   08/2021 – present

- Courses: Computational Optimization | Mathematical Methods of Chemical Engineering Analysis | Industrial Big Data Analytics and Machine Learning | Big Data Technologies | Statistical Data Mining I

ACADEMIC PROJECTS

Contemporary Undergraduate Mathematical Contest in Modeling   04/2020 - 06/2020

National Undergraduate Training Program for Innovation, Group Leader   08/2019 - 10/2019
Project: Formation and Regulation of Satellite Droplets in Highly Viscous Fluids in Micro Channels

RESEARCH EXPERIENCE

Moving Pharmaceutical Products, Manufacturing, and Supply Chains to Green, Academic publication

Dual-Objective Optimization Algorithm Based Mathematical Programming Model for Green Supply Chain Design, Projects based on collaborations with The Clinton Health Access Initiative, USA   05/2019 - present

Application of Life cycle impact assessment prediction with machine learning methods, Thesis project
                                                                                            05/2019 - present
Project: Formation and Regulation of Satellite Droplets in Highly Viscous Fluids in Micro Channels

Australian Laboratory Services, Shanghai Branch, Metal Department Intern   07/2020 - 09/2020

EXTRACURRICULAR ACTIVITIES

Volunteer and Community Service

Campus Activities

Coursera Certification

- IBM Machine Learning Professional Certificate
- Deep Learning Specialization
- Data Analysis with Python
- Python for Data Science, AI & Development
- SQL for Data Science

SKILLS

- Technical: SQL | Python | R | MATLAB | Origin | Aspen Plus | AutoCAD
- Languages: Proficient (TOEFL: 107; CET 6 523)