

Resume

Name: Honghao Dai

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Education:

University of Cincinnati , Cincinnati, Ohio	Expected Graduation: May, 2019
Ph.D., Mechanical Engineering	
University of Cincinnati , Cincinnati, Ohio	August, 2015—April, 2017
Master of Science, Mechanical Engineering, GPA: 3.9/4.0	
Jilin University , Changchun, Jilin	August, 2010—April, 2014
Bachelor, Industrial Engineering, GPA: 3.8/4.0	

Experience:

Center for Intelligent Maintenance Systems , University of Cincinnati, Cincinnati, OH <i>Research Assistant</i>	August 2017—Now
<ul style="list-style-type: none">Working on industrial Prognostics & Health Management (PHM) projects.	
Procter & Gamble , Corporate and Paper Sector Strategic Value Team, P&G, Cincinnati, OH <i>Research Assistant</i>	May 2016—May 2017
<ul style="list-style-type: none">Developed End-To-End big data supply chain models (order, production, and shipment simulation) with financial objectives of profit, cash, and service.Worked with partners from VA Tech, SAS and P&G European to process raw data, write R-based simulation, manage datasets on Hadoop (Hive, Impala) and design R Shiny-based UI.	
College of Engineering and Applied Science , University of Cincinnati <i>Teaching Assistant</i>	August 2015- May 2016
<ul style="list-style-type: none">Served as a teaching assistant for Supply Chain Management, Production Planning & Control and Design of Experiment (DOE)Awarded for <i>The Best TA of Semester</i> in CEAS	
Institute for Sustainable Manufacturing , University of Kentucky <i>Research Assistant</i>	August 2014- May 2015
<ul style="list-style-type: none">Performed data analysis and modeling to improve operating room allocation and scheduling in UK HealthCare.	

Publications

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- Li, W., **Dai, H.**, & Zhang, D. (2015). The Relationship between Maximum Completion Time and Total Completion Time in Flowshop Production. *Procedia Manufacturing*, 1, 146-156.
 - Liu, P., **Dai, H.** (2015). Empirical Research on Optimization of the PIVAS of Some Tertiary Teaching Hospital based on Lean Six Sigma. *Industrial Engineering Journal*, 18(3), 141-145.

Skills

Proficient in R, Python, SAS, JMP, SQL,
MATLAB, AutoCAD,