

Curriculum Vitae

PERSONAL INFORMATION

Daihan (Jack) Zhang

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GitHub: <https://github.com/JackDaihanZhang>

Linkedin: <https://www.linkedin.com/in/daihan-jack-z-84aa28172>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=tA4a4C0AAAAJ>

EDUCATION

Undergraduate institution: Rice University

Degree: BA in Operations Research

Expected graduation: May 2023

Research Interest: Combinatorial Optimization, Stochastic Optimization, Linear and Integer Programming

RESEARCH EXPERIENCES

03/2022–present **Rice University** Houston, Texas

Project: Approximate Solution of Infinite-horizon Risk-sensitive Markov Decision Processes

Supervisors: Prof. Saumya Sinha, Dr. Soheil Hemmati, Prof. Andrew Schaefer

08/2022–present **Rice University** Houston, Texas

Project: MIP formulations for partitioning a graph into low-diameter clusters

Supervisors: Prof. Hamidreza Validi, Prof. Illya V. Hicks, Prof. Austin Buchanan

01/2022–08/2022 **Rice University** Houston, Texas

Project: Linear-size formulations for connected planar graph partitioning and political districting

Supervisors: Prof. Hamidreza Validi, Prof. Illya V. Hicks, Prof. Austin Buchanan

PUBLICATIONS

1. Zhang, J., Validi, H., Buchanan, A., and Hicks, I. V. Linear-size formulations for connected planar graph partitioning and political districting. Submitted to *Mathematical Programming Computation*

INDUSTRY EXPERIENCE

08/2020–12/2020 **Pfizer Inc.** Beijing, China

Business Analytics and Insights Intern

Used A/B testing and statistical forecasting to visualize performance and facilitate a smarter decision-making process.

AWARDS

1. Rice University CMOR-Michael Ross Franco Award (2022)
2. Rice University President's Honors Roll (Fall 2019–Present)

CONFERENCES

1. INFORMS Annual Meeting. Oct 16–19th, 2022.
2. The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM). Dec. 16th–19th, 2018.