

Stanford



Honglin Yuan

- Ph.D. Student in Computational and Mathematical Engineering, admitted Autumn 2017
- Masters Student in Computational and Mathematical Engineering, admitted Summer 2018
- 📄 Curriculum Vitae available Online

Bio

BIO

I am a second-year Ph.D. Candidate at ICME. Before coming to Stanford, I graduated from Peking University with B.S. degrees in Computational Mathematics and Computer Science. My current research interests lie in optimization and machine learning theory.

HONORS AND AWARDS

- TOTAL Innovations Scholars Award, TOTAL S.A. (2020 - Present)
- TOTAL Innovation Fellowship, TOTAL S.A. (2019 - 2020)
- Stanford School of Engineering Fellowship, Stanford University (2017 - 2019)
- Excellent Graduate Award, Peking University (2017)
- National Scholarship, Peking University (2016)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, Society of Industrial and Applied Mathematics (SIAM) (2018 - present)
- Member, Institute for Operations Research and the Management Sciences (INFORMS) (2019 - present)
- Member, Mathematical Optimization Society (MOS) (2019 - present)

EDUCATION AND CERTIFICATIONS

- B.S., Peking University , Applied Mathematics (2017)
- B.S., Peking University , Computer Science (2017)

STANFORD ADVISORS

- Tengyu Ma, Doctoral Dissertation Advisor (AC)

LINKS

- My personal website: <https://hongliny.github.io>

Professional

WORK EXPERIENCE

- Course Assistant (for CME 307) - Stanford University (2019 - 2020)

Publications

PUBLICATIONS

- **Global Optimization with Orthogonality Constraints via Stochastic Diffusion on Manifold** *Journal of Scientific Computing*
Yuan, H., Gu, X., Lai, R., Wen, Z.
2019

PRESENTATIONS

- Finding Global Minimizers For Optimization with Orthogonality Constraints - 2016 International Workshop on Signal Processing, Optimization, and Compressed sensing (SPOC 2016) (12/20/2016)