

# Chunyan Li

Department of Mathematics – University of South Carolina  
Columbia, SC 29208

## PERSONAL INFORMATION

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- o Name: Chunyan Li
- o M/F: Female
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## EDUCATION

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### University of South Carolina

*PhD candidate*

GPA: 4.0/4.0

Columbia SC, US

*Aug 2018-Present*

### Xiangtan University

*Bachelor of Science in Mathematics*

GPA: 3.464/4.0 in Honors College

Xiangtan, China

*Sep.2014-May 2018*

## PUBLICATIONS

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- o Chunyan Li, Lu Wang, Xiang Cao, Yu Wang, Hua Jiang, and Qi Wang. 'AI-enabled prognostic tools for septic patients'. In preparation, 2022.
- o Jianguo Hou, Jun Deng, Chunyan Li, and Qi Wang. 'Tracing and Forecasting Metabolic Indices of Cancer Patients Using Patient-Specific Deep Learning Models', *Journal of Personalized Medicine*. To appear, 2022. (Impact factor: 4.453)
- o Chunyan Li, Shehani Wetthasinghe, Huina, Lin, Tianyu Zhu, Chuanbing Tang, Vitaly Rassolov, Qi Wang, and Sophya Garashchuk. 'Stability analysis of substituted cobaltocenium (bis(cyclopentadienyl)cobalt(III)) employing chemistry-informed neural networks'. *Journal of Chemical Theory and Computation*, To appear, 2022. (Impact factor: 6.006)
- o Wetthasinghe, Shehani T and Li, Chunyan, Lin, Huina and Zhu, Tianyu, Tang, Chuanbing, Rassolov, Vitaly, Wang, Qi and Garashchuk, Sophya. 'Correlation between the Stability of Substituted Cobaltocenium and Molecular Descriptors'. *The Journal of Physical Chemistry A*, 2022 Jan 13;126(1):80-87. (Impact factor: 2.781)

## PRESENTATIONS

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- o Chunyan Li. 'An introduction to Variational Autoencoder', Feb.25, 2022
- o Chunyan Li. 'An introduction to Principal component analysis (PCA)', Oct.15, 2021

## Service

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- o Organizer of the ACM Student Seminar at the Department of Mathematics in University of South Carolina 2021-2022
- o Proctor for the annual USC High School Math contest, 2019 - 2020

## TEACHING EXPERIENCE

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### University of South Carolina

- Math 115 Precalculus (instructor), Spring 2020
- Math 141 Calculus (TA), Fall 2020
- Math 142 Calculus (TA), Fall 2019
- Math 141 Calculus (TA), Spring 2019

### Xiangtan University

- Math mentor for Class 2 of Math Department, Spring 2017
- Math mentor for Honors Class of School of Business, Fall 2017

## AWARDS AND ACHIEVEMENTS

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- C.C. Royal Fellowship, \$2000, April 2022
  - C.C. Royal Fellowship is one of the Trustee Fellowships that are awarded to full-time graduate students who exhibit excellence in graduate study, research and scholarship. Given annually by the Graduate school at the University of South Carolina
- George W. Johnson Graduate Fellowship, \$2000, April 2020
  - Given annually by the Department of Mathematics at the University of South Carolina
- Outstanding First-Year ACM Student, April 2019
  - Given annually by the Department of Mathematics at the University of South Carolina
- Xiangjiang Scholarships for excellent students, \$500, Dec 2017
  - Given annually for the top student by the Department of Mathematics at the Xiangtan University
- Advanced Individual of Volunteer activities, May 2017
- Scholarships for excellent students of basic subject, \$800, Sep 2016-Jun 2017
- Scholarships for excellent students of basic subject, \$800, Sep 2015-Jun 2016
- National Encouragement Scholarship, \$800, Nov 2016
  - Given annually for the top student by the Department of Mathematics at the Xiangtan University
- Winning prize, Knowledge Contest, Oct 2015
- Outstanding Student Cadre, May 2015 (2/19)
- Second grade scholarship, \$150, May 2015 (Top 2/19)
- Excellent Staff of the Leifeng Community, May 2015
- Outstanding teacher of the MUJIN Volunteer organization, May 2015

## Mathematics Contests

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### Mathematics Contest 1

*Dec 2017*

- The Ninth National College student Mathematics Contest (Mathematics Major), third prize

### Mathematics Contest 2

*Nov 2016*

- The Eighth National College Students Mathematics Contest (Mathematics Major), second prize
- Mathematics Competition of College and University Students in Hunan Province (Mathematics Major), first prize

### Mathematical Modeling Contest 1

*Dec 2016*

- National Mathematical Contest in Modeling, First prize
- National Mathematical Modeling Contest of Hunan Province, first prize

### Mathematical Modeling Contest 2

*Feb 2016*

- Mathematical Modeling Contest (USA), successful Participant

### Mathematical Modeling Contest 3

*May 2015*

- Mathematical Modeling Contest of Xiangtan University, third prize