Zequn Zheng

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Education

Sep 2017 – Present	**University of California at San Diego** *PhD in Mathematics* *Advisor: Jiawang Nie*
Aug 2013 – June 2017	**City University of Hong Kong** *BSc (Hons) in Computing Mathematics*

Research Interests

My research interests lie in tensor decomposition, tensor approximation, machine learning, and data science.

Research Papers

- J. Nie, L. Wang, and Z. Zheng. Higher Order Correlation Analysis for Multi-View Learning, *Pacific Journal of Optimization*, to appear, 2022.
- J. Nie, L. Wang, and Z. Zheng. Low Rank Tensor Decompositions And Approximations, *Preprint*, 2022. arXiv: 2208.07477.
- J. Nie, Z. Yang, and Z. Zheng. Generating Polynomials And Tensor CP Decompositions, In preparation.

Teaching Experience

As Instructor:

- Math 20A: Calculus/Science Engineering.   Summer Session 1 2022, UCSD
- Math 10A: Calculus I.   Fall 2021, UCSD

As Teaching Assistant:

Math 3C Precalculus, Math 18 Linear Algebra, Math 20C Calculus III (Vector Calculus), Math 20E Vector Calculus, Math 102 Applied Linear Algebra, MATH 170A Intro Numerical Analysis/Linear, MATH 170B Intro/Numerical Analysis/Approximation, MATH 171B Intro Numerical Optimization/Nonlinear, MATH 174 Numerical Methods/Physical Modeling, Math 180A Introduction to Probability, MATH 183 Statistical Methods.   UCSD

Programming Skills

Matlab, Python, Java, R.

Honors and Awards

- James B.Ax Graduate Fellowship, UC San Diego.   2017
- CSE DI Gala 2016 Best Poster Presentation Award, City University of Hong Kong.   2017
- Dean list of college of science and engineering, City University of Hong Kong.   2013, 2014, 2015

Talks

UCSD Optimization and Data Science Seminar.   2019-2022

Services

- AWM (American Women in Mathematics) Mentorship Program.   2022
- CityU Student Mentor Scheme.   2016-2017