

Xiao Ling
Ph.D. Candidate in Systems modeling
Virginia Commonwealth University

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EDUCATION

- **Virginia Commonwealth University** Virginia, USA
Doctor of Philosophy in Systems modeling Aug 2017 - Exp. May 2021
- **The University of Toledo** Ohio, USA
Master of Science in Statistics Aug 2015 - Jun 2017
- **Saginaw Valley State University** Michigan, USA
Master of Business Administration Aug 2009 - Jun 2011
- **University of Shanghai for Science and Technology** Shanghai, China
Bachelor of Engineering in Power Engineering and Engineering Thermal physics Aug 1998 - Jun 2003

PROGRAMMING SKILLS

- **Languages:** R, Scala, Spark, SAS, Python, VB

EXPERIENCE

- **Virginia Commonwealth University** Virginia, USA
Graduate Teaching Assistant July 2017 - Present
 - Teaching an undergraduate level math course including concepts and applications of linear, exponential, logarithmic, power and quadratic functions, graphing, transformations and inverses of functions, algebra and composition of functions.
- **The University of Toledo** Ohio, USA
Teaching Assistant Jan 2016 - Jun 2017
 - Taught Business Calculus Recitation section. Implemented stimulating examples to capture students' attention and interest. Created and administered regular quizzes and tests to tract student progress.
 - Offered after-school tutoring to help struggling students improve their skills and critical thinking.
- **General Electric Healthcare** Shanghai, China
Demand Planning Analyst Sep 2012 - Aug 2015
- **Freelancer** New York, US
Data Analyst and VBA Programmer Jun 2011 - Aug 2012
- **Shanghai Shi-Cheng Electronics Technology Company** Shanghai, China
Analyst and Consultant Sep 2003 - Aug 2009

ONGOING PROJECTS

- **Image denoising via patch based L_1 -PCA** A novel image denoising framework that produces a one-dimensional dictionary based on the L_1 -norm.
- **Kernel L_1 -PCA** Developing a kernel version of L_1 -norm PCA

PUBLICATIONS

- Xiao Ling, Paul Brooks, **L_1 -norm regularized L_1 -norm best-fit line problem**
The 15th INFORMS Virtual Workshop on Data Mining and Decision Analytics

PROFESSIONAL SOCIETIES

- **Memberships:** Institute for Operations Research and Management Science (INFORMS) Quality, Statistics & Reliability Section and Optimization Society Subdivision