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 L1-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