CURRICULUM VITAE

PERSONAL INFORMATION

Name	YICHI, SHEN
Address	#13-44, 57 Choa Cku Kang Loop, The Warren, 689685, Singapore
Telephone	(+65)81362567
E-Mail	yichiwasabi@gmail.com
Nationality	CHINESE
Date of Birth	15-OCT-1991

EDUCATION

▷ **Period**   ***Aug-2014 to May-2018***

▷ **Acquired Qualifications**   **Ph.D. on Industrial and System Engineering Management**

▷ **Institute**   School of Mechanical & Aerospace Engineering, Nanyang Technological University, Singapore

○ Principal subjects   Statistics; Stochastic Processes; Continuous Method; Theory of Algorithms and Computing; Optimization

▷ **Period**   ***Sep-2011 to July-2014***

▷ **Acquired Qualifications**   **M.Sc. on Operations Research**

▷ **Institute**   Department of Mathematics, Nanjing University, China

○ Principal subjects   Mathematical Analysis; Algebra; Supply Chain Management

▷ **Period**   ***Sep-2007 to July-2011***

▷ **Acquired Qualifications**   **B.Sc. on Mathematical Statistics**

▷ **Institute**   Department of Mathematics, Nanjing University, China

○ Principal subjects   Mathematical Analysis; Probability Theory; Statistics; Linear Algebra; Differential Equations

RESEARCH

▷ Ph.D. Thesis   Performance Evaluation for Production Systems through Queueing Models — Nanyang Technological University

▷ Research Interests   Operations Research; Industrial and System Engineering; Queueing Systems; Stochastic Models

▷ Research Statement

My research focuses on employing mathematical models, machine learning and optimization techniques to solve practical problems in various fields, e.g., production industry and service systems. It aims to providing meaningful managerial insights for practical situations, proposing effective solutions to specific problems, and improving the system performance.

▷ Conference

11th Conference on Stochastic Models of Manufacturing and Service Operations (**SMMSO 2017**), Acaya, Italy. *Oral Presentation*. June, 2017

PUBLICATIONS

▷ Journal Paper

1. Shen Y.*, Wu K.: *Stability of GI/G/1 queues: a survey.* **Asia-Pacific Journal of Operational Research**, to appear, 2018.
2. Wu K., Srivathsan S., Shen Y.*: *Three-moment approximation for the mean queue time of a GI/G/1 queue.* **IISE Transactions**, 50 (2), 63-73, 2018.
3. Wu K.*, Shen Y., Zhao N.: *Analysis of tandem queues with finite buffer capacity.* **IISE Transactions**, 49 (11), 1001-1013, 2017.
4. Wu K., Zhao N., Shen Y.*: *Analysis and approximation for the performance of a workstation with various types of setups.* **International Journal of Production Research**, 1-15, 2017.

▷ Conference Paper

1. Wu K., Shen Y.*: *Stability conditions for multiclass queueing networks.* **11th SMMSO**, 131-138, 2017.

▷ Working Paper

1. Wu K.*, Shen Y.: *Pull production system and the application*. Under review.
2. Wu K., Shen Y.*: *Theory of constraints: the generalization*. Under review.
3. Wu K.*, Shen Y.: *A unified view on planning, scheduling and dispatching for a smart factory*. Under review.
4. Shen Y.*, Wu K.: *The affine structure of mean queue time*. Working paper.
5. Wu K., Shen Y.*: *Stability of multiclass queueing networks*. Working paper.
6. Shen Y.*, Wu K.: *Capacity planning for manufacturing systems*. Working paper.
*Corresponding Author

ABILITIES

AWARDS	1. Best Student Award Shortlisted, SIMTech@A*STAR, Singpaore, 2018.
	2. Graduate Scholarship (Ph.D), Nanyang Technological University, Singapore, 2014-2018.
	3. Certificate of University Teaching for Teaching Assistant, Nanyang Technological University, Singapore. 2017.
	4. Best Graduate Awards (Master), Nanjing University, China, 2014.
	5. 2nd Prize, National Post-Graduate Mathematical Contest in Modeling, China, 2012.
	6. Outstanding Student of Jiangsu Province, China, 2007.
	7. 2nd Prize,National Olympic Competition in Mathematics (High School), Jiangsu, China, 2006.
	8. 2nd Prize, National Olympic Competition in Physics (High School), Jiangsu, China, 2006.
	9. 2nd Prize, National Olympic Competition in Chemistry (High School), Jiangsu, China, 2006.
SOCIAL SKILLS	Member of **Toastmasters International**, *for the development of communication and leadership skills*.
SOFTWARE SKILLS	Python; Matlab; LaTex
LANGUAGE	English; Chinese
HOBBIES	Fitness; Board Games

If you ask me a question and I don't know the answer, I'm gonna tell you that I don't know. But I bet you what, I know how to find the answer and I will find the answer.