KE LI

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EDUCATION

ShanghaiTech University, China   *September 2018 - Present*
Master in Computer Science under supervision of Qifeng Liao
School of Information Science and Technology

Chongqing University, China   *September 2014 - May 2018*
Bachelor of Applied Mathematics.   Rank: 3/25

RESEARCH INTERESTS

Numerical method for PDEs

Domain decomposition method

Deep learning

PUBLICATIONS

PROJECTS

Failure probability estimation   *November 2018 - April 2019*
Collaborator : Kejun Tang, Jinglai Li, Tianfan Wu, Qifeng Liao

- Proposed a method constructing a hierarchy of neural networks with different fidelity to reduce runtime.

- Employed hybrid method to increase accuracy and efficiency.

Domain decomposition deep Galerkin method   *February 2019 - Present*
Collaborator : Kejun Tang, Qifeng Liao

- Proposed a domain decomposition method in deep learning.

- Employed variational formulation to solve PDEs as an optimization problem.

PROGRAMMING SKILL

Matlab, Python, Tensorflow, Pytorch, LaTeX

HONORS AND AWARDS

Outstanding graduates award of Chongqing University in 2018.

The third price scholarship in Spring 2017.

The third price scholarship in Autumn 2017.