

## RESEARCH INTERESTS

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**Partial Differential Equations**—parabolic and elliptic equations, homogenization theory, free boundary problems

## EDUCATION

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**University of Utah**

PhD of Pure Mathematics

— Expected July, 2026

Salt Lake City, U.S.

2021–Current

**Southern University of Science and Technology**

Master Student of Pure Mathematics

— Thesis: “Topics on reaction-diffusion equations with large diffusion rate within thin components”

Shenzhen, China

2019–2021

**Southern University of Science and Technology**

Bachelor of Mathematics and Applied Mathematics

— Thesis: “Review of the model about fast diffusion on a road in a large field using effective boundary conditions”

Shenzhen, China

2015–2019

## PUBLICATIONS

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1. **Homogenization of Enhancing Thin Layers**, Journal of Differential Equations, Volume 282, 2021, Pages 330-369, ISSN 0022-0396, <https://doi.org/10.1016/j.jde.2021.02.024>.