

Yulin Zhang

Personal information

Name: Yulin Zhang

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Objectives

I am currently a Ph.D student in the School of Mathematical Sciences at Shanghai Jiao Tong University, majoring in computational mathematics.

My advisor is Professor Wenjun Ying. My research mostly focus on the free-boundary problem in hydromechanics.

Education

Shanghai Jiao Tong University

2021 Fall-2026 (in progress)

Ph.D, Computational Mathematics

- Emphasys on geometric flow and hydromechanics
- **Advisor:** Wenjun Ying

National University of Singapore

2023 Fall-2026 (in progress)

Ph.D, Computational Mathematics

- Emphasys on hydromechanics and Einstein-Bose Equation
- **Advisor:** Weizhu Bao & Wenjun Ying

Jilin University

2017 Fall - 2021 Summer

B.S, Mathematics and Applied Mathematics

Research interests

Geometric Flow

Numerical simulation, energy stable, e.g. mean curvature flow.

Hydromechanics

Free-boundary problem, e.g. incompressible Navier-Stokes equation, multi-phase flow.

Personal skills

Languages

Chinese (native)
English
Japanese

*Programming
Languages*

C/C++, Wolfram Mathematica