

# TING LIN (林挺)

Peking University, China  
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## EDUCATION

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### B.Sc. & B.Econ., Peking University

09/2017-07/2021

GPA: 3.82/4 (Rank: 2/40)

Major in Computational Mathematics, School of Mathematical Science

Elected in **The Elite Program of Applied Mathematics and Statistics for Undergraduates**

Double Degree in Economics, National School of Development

### Ph.D. Candidate, Peking University

09/2021-Present

Computational Mathematics, School of Mathematical Sciences

Elected in **The Elite Program of Computational and Applied Mathematics for PhD Candidates**

## PUBLICATIONS

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Deep Learning via Dynamical Systems: An Approximation Perspective

Qianxiao Li, Ting Lin, Zuowei Shen, [ArXiv: 1912.10382](#), to appear in *Journal of the European Mathematical Society*.

A Construction of  $C^r$  Conforming Finite Element Spaces in Any Dimension

Jun Hu, Ting Lin, Qingyu Wu, [ArXiv: 2103.14924](#).

## TEACHING

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Class Counsellor of Undergraduates, 2020 Fall, 2021 Spring

Teaching Assistant, Social Practice, 2021 Summer

Teaching Assistant, Mathematical Analysis III, 2021 Fall

## INTERNSHIP

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### Theory Lab, 2012 Labs, HUAWEI

07/2020-Present

Supervisor: Yuwei Fan

Selected Topics: Matrix Computation, Fast Numerical Solver.

## TALKS

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Invited Talks, Symposium on Research Experiences of Undergraduate Students in Elite Program, Ministry of Education

## HONORS

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### Awards and Scholarships

Excellent Graduates, Peking University, 2021

Weiming Scholar (for undergraduates), Peking University, 2021

Principal Scholarship, Peking University, 2021

Wanglaoji Scholarship, Peking University, 2020

Leo KoGuan Scholarship, Peking University, 2019

National Scholarship, Ministry of Education, 2018

## Competitions

S.T.Yau Mathematics Contests, 2018: 1S, 2019: 1G2S1B, 2020: 1G3S  
Chinese Mathematics Olympiad, 2014: G, 2015: G, 2016: G  
ICM/MCM, Meritorious Award, 2018

## SKILLS

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**Programming Language:** C/C++, MATLAB, Python, Julia, Fortran90

**Parallel Skill:** CUDA, MPI, OpenMP

**Software Package:** PETSc, PyTorch, FEniCS, Eigen

**Language:** Chinese (Native), English (Fluent), Japanese (Fluent)

**Standard Test:** CET6: 644, GRE: 322