

Qiuyu Chen

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Personal Homepage: <https://qychen86.github.io>

EDUCATION

- East China Normal University**, Shanghai, China 09/2021-07/2024
- Supervisor: Professor Fan Lianghuo
 - Master of Science in Mathematics Education; GPA: 3.84/4.0
- East China Normal University**, Shanghai, China 09/2017-07/2021
- Bachelor of Science in Mathematics and Applied Mathematics; GPA: 3.66/4.0

PUBLICATION

A Study on Characteristics and Functions of Non-textual Elements in Junior Secondary School Mathematics Textbooks: An Example of Zhejiang Education Press series of textbooks

08/02/2023 (Received)

Publisher: Journal of Mathematics Education (ISSN: 1004-9894)

Authors: Lingzhu Li, Qiuyu Chen.

How Is Educational Gamification Represented in School Curriculum? An Investigation of Chinese Secondary Mathematics Textbooks

02/20/2023

Publisher: Sustainability (ISSN 2071-1050) 2023, 15(4), 3830

Authors: Lianghuo Fan, Lingzhu Li, Qiuyu Chen, Na Li.

Link: <https://doi.org/10.3390/su15043830>

Viewing Mathematics Teacher Educators and Their Research Methods from TSG-35 of ICME-14

07/19/2022

Publisher: SHUXUE JIAOXUE (ISSN 0488-7387)

Authors: Lingzhu Li, Qiuyu Chen.

The Challenges and Countermeasures of Online Teaching for High School Mathematics Teachers — A Survey of Teachers in Shanghai and Jiangsu Province During the Pandemic

06/07/2021

Publisher: Shanghai Teachers

Authors: Qiuyu Chen, Lianghuo Fan.

On-going Work

The Role of Programming Outputs in Students' Mathematical Learning

07/31/2023-Present

Authors: Qiuyu Chen, Biyao Liang, Ying Zhang

How are Non-textual Elements (NTEs) Presented in the Chinese Secondary School Curriculum? An Investigation of Mathematics Textbooks

04/06/2023-Present

Authors: Lingzhu Li, Na Li, Qiuyu Chen, Lianghuo Fan

Uncovering Students' Procedural Flexibility: An Investigation of Variation and Progression in Jiangsu Province

02/20/2023-Present

Authors: Qiuyu Chen, Lianghuo Fan

PROJECT EXPERIENCE

Research Assistant, Investigating Interplays Between Computational Thinking and Mathematical Thinking

05/2023-Present

- Supervised by Assistant Professor Liang Biyao (The University of Hong Kong)
- Designing the research protocols for interviewing students' computational thinking and mathematical thinking;
- Conducting task-based clinical interviews of students, and analyzing the video data.

- Member, Investigating Students' Learning Opportunity to Procedural Flexibility: A Comparative Study of Mathematics Textbook Between the US And China** 03/2023-Present
- Supervised by Professor Fan Lianghuo and Professor Jon. R. Star (Harvard University); Co-member: Doctor Xie Sicheng (East China Normal University);
 - Carrying out the coding of the mathematics textbooks in China (PEP) and US (Go Math!);
 - Supplementing and adjusting the research framework.
- Research Assistant, Research on Experiment and Evaluation of Mathematics Textbooks in Shanghai High School** 10/2022-03/2023
- Supervised by Professor Fan Lianghuo, and Lecturer Chen Jing (East China Normal University);
 - Organizing materials for ethical review;
 - Interviewing participating teachers and students in junior high schools, conducting classroom observations, and then transcribing audio and video materials.
- Research Assistant, Chinese Students' Access, Use and Perceptions of ICTs in Learning Mathematics: Findings from an Investigation of Shanghai Secondary Schools** 11/2020-02/2021
- Supervised by Professor Fan Lianghuo;
 - Typing in the questionnaire data and analyzing the interview data.

HONORS & AWARDS

- First-class Scholarship of Publishing Wisdom Scholarship**, East China Normal University 10/2022
- Outstanding Graduate of Shanghai**, Shanghai Municipal Education Commission 05/2021
- Second-class Scholarship for Outstanding Students in 2019-2020 Academic Year**, East China Normal University 12/2020
- Third-class Scholarship for Outstanding Students in 2018-2019 Academic Year**, East China Normal University 12/2019
- The Second Prize of the Undergraduate Group of the National Mathematical Contest in Modeling for College Students in Shanghai**, Shanghai Municipal Education Commission 12/2019
- The Third prize of Mathematics Class A in the 11th Shanghai Mathematics Competition for College Students (Higher Education Community Cup)**, Shanghai Mathematical Society 11/2019
- The honor of "Excellent Student" of East China Normal University in the 2018-2019 academic year**, East China Normal University 12/2019
- The Third prize of the 11th National Mathematics Competition for College Students (Mathematics A)**, Chinese Mathematical Society Popularization Working Committee 11/2019
- Second-class Scholarship for Outstanding Students in 2019-2020 Academic Year**, East China Normal University 12/2018

PROFESSIONAL EXPERIENCE

- Teacher of Mathematical Modeling**, Shanghai Mingzhi Education Technology Company 10/2020-Present
- Developing mathematical modeling teaching resources (e.g. syllabus and courseware);
 - Teaching the mathematical modeling course.
- Assistant, Shanghai Teacher Training Center** 10/2022-06/2023
- Participating in the special workshop on school-based research Experience in Teacher Professional Development Schools and helping the participating teachers to enhance their scientific research capacity;
 - Conducting classroom observations between Chinese schools and international schools.
- Teaching Assistant, Mathematics Education Research and Thesis Writing Courses** 02/2023-06/2023
- Assisting with course development, such as collecting course materials;
 - Videotaping the course-taking process in class.
- Teaching Assistant, No.2 High School of East China Normal University, Zizhu** 03/2022-05/2022
- Correcting students' mathematics homework after class;
 - Observing school mathematics classrooms of outstanding teachers.

LEADERSHIP & ACTIVITIES

Student Visitor , Overseas Study Tour in the National University of Singapore	07/2019-08/2019
Advisor , Middle school Mathematical Contest in Modeling (MidMCM)	02/2021 & 02/2022
Member , ECRD Workshop Organization, The 14th International Congress on Mathematical Education (ICME-14)	06/2021
Volunteer , The Sunflower Community of Children's Service Center	12/2020-02/2021
Volunteer , Topic Study Group, The 14th International Congress on Mathematical Education	06/2021
Director , Guanghua News Agency of East China Normal University	09/2018-07/2019
General Secretary , Guanghua News Agency of East China Normal University	09/2017-07/2018
Volunteer , China (Guangzhou) International Documentary Festival Golden Rouge Film Exhibition University Tour Exhibition—East China Normal University Exhibition Activity	04/2018

RESEARCH SKILLS & HOBBIES

Quantitative research

- Familiar with Python and SPSS;
- Accustomed to several statistical models (used: Linear regression model, Wilcoxon rank sum test) and data mining methods (used: EM algorithm).

Qualitative research

- Capable and confident in conducting interviews or research-based activities;
- Experienced in qualitative analysis platform (MAXQDA).

Hobbies

- Fond of playing the zither (the 10th level certificate), playing badminton, and photography.