

Qiuyu Chen

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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 , Guanghai News Agency of East China Normal University	09/2018-07/2019
General Secretary , Guanghai 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.