

## Education

### Brigham Young University (BYU)

Ph. D., Instructional Psychology & Technology (IP&T)

Aug. 2020–Jun. 2025

Dissertation Topic: Develop a diagnostic instrument to assess parental support for K–12 students' online engagement (Drs. Rick West, Chair; Jered Borup, Charles Graham, Heather Leary, Richard Sudweeks, Committee)

### California State University San Bernardino (CSUSB)

Master of Arts, Education – Instructional Technology

Sep. 2016–Dec. 2019

E-Learning Certificate

### Anhui University of Science & Technology (AUST)

Bachelor of Science, Communication Engineer

Sep. 2003–Jul. 2007

## Research

My research focuses on promoting student learning engagement through technology-enhanced learning and levels of community support, such as parental, institutional, and community support. I am conducting research studies on the application of AI and decision-based learning systems for higher education, which enhances undergraduate and graduate students' learning across disciplines.

## Publication

**Guo, Q.** & West R. E. (2025). Research-based practices to promote collaboration between parents and online schools. *Journal of Online Learning Research*, 11(1), 141–162.  
<https://www.learntechlib.org/p/224729/>

**Guo Q.**, Graham C. R., Borup J., Sandberg B., & West R. E. (2024). K–12 parental support challenges for online student engagement. *Distance Education*, 45(4), 579–605. <https://doi-org.byu.idm.oclc.org/10.1080/01587919.2024.2397481>

Baek, E., **Guo, Q.**, & Wilson, R. (In press). Transforming student support with AI-Powered tutoring. In V. Wang (Eds.), *Foundations and Frameworks for AI in Education (Book 1)*. IGI Global.

Tuilaoma, S., Arnesen, K. T., **Guo, Q.**, West, R., & Graham, C. R. (in press). Promoting active learning through collaborative annotation tools. *Journal of Applied Instructional Design*.

**Guo Q.**, West R. E., Borup J. (submitted). Development and validation of the HOPE (helping online parents with engagement).

**Guo, Q.**, Baek, E., & Shi, J. (submitted). From Surveys to AI: A Comprehensive Assessment of Mobile Learning Acceptance in Higher Education.

Beak, E., **Guo, Q.**, Tong, F., & Lu, J. (submitted). Mobile app development for TOEFL speaking skills using an IDEAS Framework.

Hanny, C. N., Arnesen, K. T., **Guo, Q.**, Hansen, J., & Graham, C. R. (2023). Barriers and enablers to K–12 blended teaching. *Journal of Research on Technology in Education*, 55(4), 568–589.  
<https://doi.org/10.1080/15391523.2021.1991865>

Beak, E., **Guo, Q.**, Tong, F., & Lu, J. (2023). Developing an effective mobile app for improving English speaking skills. *Education and New Developments*, 1, 375–379.  
<https://doi.org/10.36315/2023v1end079>

**Guo, Q.**, Keaton, W., & Short, C. R. (2022). K–12 blended teaching: Science edition. In C. R. Graham, J. Borup, M. Jensen, K. T. Arnesen, & C. R. Short (Eds.), *K–12 Blended Teaching (Vol 2): A Guide to Practice Within the Disciplines*. EdTech Books.  
[https://edtechbooks.org/k12blended2/11\\_blended\\_learning\\_v](https://edtechbooks.org/k12blended2/11_blended_learning_v)

- Guo, Q.**, Keaton, W., Jensen, M. A., & Short, C. R. (2021). Math: Online interaction. In C. R. Graham, J. Borup, M. Jensen, K. T. Arnesen, & C. R. Short (Eds.), *K–12 Blended Teaching (Vol 2): A Guide to Practice Within the Disciplines*. EdTech Books.  
[https://edtechbooks.org/k12blended\\_math/math\\_olint](https://edtechbooks.org/k12blended_math/math_olint)
- Baek, E., **Guo, Q.** (2019). Instructional design principles for mobile learning. In: Zhang, Y., Cristol, D. (Eds) *Handbook of Mobile Teaching and Learning*, 1–22. Springer, Singapore.  
[https://doi.org/10.1007/978-981-13-2766-7\\_111](https://doi.org/10.1007/978-981-13-2766-7_111)
- Leh, A., **Guo, Q.** & Wei, Y. (2019). Digital Divide in China and Taiwan: Case Study. In J. Theo Bastiaens (Ed.), *Proceedings of EdMedia + Innovate Learning* (pp. 1907–1912). Amsterdam, Netherlands: Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/210417/>.
- Leh, A., & **Guo, Q.** (2018). Technology and social media changing life in China. *In Proceedings of the Fifth European Conference on Social Media (ECSM)*. Limerick, Ireland, 134–141.

### Conference Presentations

- Guo Q, Plummer K. (2025). Exploring the Role of Generative AI in Design-Based Learning: A Case Study from Instructional Designers' Perspectives. *Proposal accepted by Association for Educational Communications and Technology (AECT)*. Las Vegas, NW.
- Guo Q, West R. E. (2025). Systematic review of collaboration between parents and online schools. *Proposal accepted by Association for Educational Communications and Technology (AECT)*. Las Vegas, NW.
- Guo Q, West R. E., Borup J., Graham C. R., Sandberg B. (2024). Development and validation of the HOPE (Helping Online Parents with Engagement) diagnostic assessment. *Paper presentation at Association for Educational Communications and Technology (AECT)*. Kansas City, MO.
- Guo Q, Graham C. R., Borup J., Sandberg B., and West R. E. (2023). K–12 parental support for online student engagement. *Paper presentation at AECT*. Orlando, FL.
- Beak, E., Guo, Q., Tong, F., & Lu, J. (2022). Mobile App Development for English Speaking Skills Using an IDEAS Framework. *Paper presentation at Society for Information Technology and Teacher Education (SITE)*. Online.
- Tuiloma, S., Arnesen, K. T., Guo, Q., West, R., & Graham, C. R. (2022). Promoting Active Learning Through Collaborative Annotation. *Paper presentation at AECT*. Chicago, IL.
- Hanny, C., Arnesen, K., Guo, Q., Hansen, J., Graham, C., & Short, C. (2021). Transitioning to K–12 Blended Teaching: Overcoming Barriers in Pre-COVID Practice. *Paper presentation at SITE*. Online.
- Short, C. R., Jensen, M., Arnesen, K., Borup, J., Graham, C.R., Tuiloma, S., Keaton, W., Guo, Q., Chambers, C., Joskow, B., & Sandrowicz, N. (2021). The future of online learning after pandemic teaching: An exploration of blending online and in-person learning following emergency remote teaching. *Birds of a Feather Presentation at SITE*, 2nd Annual Interactive Virtual Conference.
- Baek, E., & Guo, Q. (2019). Mobile learning acceptance in higher education: Students Perception. *Paper presentation at American Educational Research Association (AERA)*, Toronto, Canada.
- Leh, A., & Guo, Q. (2018). Technology use of underrepresented students in China and Taiwan: Case study. *Paper presentation at AECT*. Kansas City, MO.
- Leh, A., & Guo, Q. (2018). Social media and digital divide in China. *Poster presentation at ECSM*, Limerick, Ireland.
- Baek, E., & Guo, Q. (2018). Is mobile learning working? Perceptions of students and instructors at a higher education institution. *Paper presentation at the International Conference on Information and Education Innovations (ICIEI)*. London, United Kingdom.

## Qi Guo

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- Guo, Q., Feng, T., & Jia, L. (2018). The effects of mobile application for TOEFL speaking learners. *Oral presentation at 32th CSU Student Research Competition*, Sacramento, CA.
- Kwok, A., & Guo, Q. (2018). Pre-Service Teacher's Beliefs on the Impact of Content Area on Classroom Management. *Paper presentation at AERA*, New York.
- Guo, Q., Feng, T., & Jia, L. (2018). Design-based research of Mobile Learning Course for English-speaking learners. *Oral presentation at Student Research Competition, CSUSB*, San Bernardino, CA. **Best Oral Presentation.**
- Kwok, A., & Guo, Q. (2017). Does content area impact how a classroom is managed? Pre-service teachers' beliefs on content area and classroom management. *Poster presentation at California Council on Teacher Education (CCTE)*, San Diego, CA.
- Guo, Q. (2017). The effect of online pediatric courses for parents. *Oral presentation at Student Research Symposium, CSUSB*, San Bernardino, CA. **Outstanding Presenter.**

### Research Reviewer

- Educational Technology Research and Development (2025–now)
- Distance Education (2024–now)
- International Review of Research in Open and Distributed Learning (IRRODL, 2023–now)
- Society for Information Technology and Teacher Education (SITE 2024).
- Association for Educational Communications and Technology (AECT 2025, 2023, 2019)
- American Educational Research Association (AERA 2023, 2019)
- Evaluator of CSUSB research conference (2018)
- Editor of the Journal of Student Research CSUSB (2018–2019)

### Academic/organization Services

- **Special Programs Officer**, AECT Learner Engagement Division. (Feb. 2025–Now)
- **Chair** of International Outreach Committee, AECT GSA. (Jul. 2024–Now)
- **Director** of Alumni Outreach, BYU China Conference. (Jul. 2024–Mar. 2025)
- **President**, Golden Key International Honor Society CSUSB Chapter. (Sep. 2018–Jun. 2020)
- **International Student Representative**, Phi Beta Delta Honor Society. (Jun. 2017–Dec. 2019)
- **President** of Marketing and Cultural Outreach, Student Association, AUST. (Sep. 2005–Sep. 2007)

### Grants

- SSI Graduate Innovative Scholars, Research and Development project, Mobile Application of TOEFL Speaking, CSUSB, (2017–2018)
- Faculty and Student Grant, Teachers, Instructional Designers, and Students' Perception of Mobile Learning, CSUSB, (2017–2018)

### Awards

- Apr. 2025      Awarded the Excellent PhD Student by BYU McKay School of Education
- Nov. 2024      Awarded the Professional Presentation by BYU McKay School of Education
- Oct. 2024      Early Career Symposium Invitation, Awarded by AECT RTD
- Sep. 2019      Awarded scholarship by Golden Key Honor Society
- Aug. 2018      Awarded the Marilyn Sauer Endowed Scholarship by CSUSB
- Aug. 2018      Awarded the Giving Tuesday Expendable Scholarship by CSUSB
- May 2018      The winner of Best Oral Presentation of CSUSB research symposium
- May 2017      Awarded Outstanding Achievement Scholarship by Asia Faculty, Staff, and Student Association
- May 2017      Awarded the Outstanding Presenter by CSUSB College of Education

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- Apr. 2017           Awarded scholarship by Phi Beta Delta Honor Society
- 2013, 2010           Honored with Quality Salute by ABB
- Oct. 2006           2<sup>nd</sup> Prize in Anhui Province Electronic Design Contest
- 2004, 2005, 2006   Awarded scholarship and Excellent Student by AUST

### Professional experience

**Graduate Assistant, Center for Teaching and Learning, BYU** Jan. 2025–Now

- Conduct research studies on using AI in designing decision-based learning for college students.

**Graduate Assistant, IP&T, BYU**

- RA: Conduct research with professors and peers and write research papers. Aug. 2020–Now
- Instructor: Taught pre-service teachers how to teach in online/blended learning contexts. Aug. 2020–Aug. 2023

**Assistant Instructional Designer, BYU Online** May 2023–Jan. 2025

- Designed five online courses for BYU students.

**Internship, IP&T 664 Advanced Instructional Design course** Sep. 2021– May 2022

- Designed the Intro to Business Course for the Marriott School of Business, BYU

**Online Math Teacher, Enlighten Learning Club** Jan. 2020–Aug. 2020

- Taught math for Fifth-grade students.
- Designed online courses, instructional materials, and learning activities.
- Maintained databases and kept track of students' educational progress and schedule.
- Communicated with school administrators, parents, and teachers to run ELC effectively.

**Instructional Designer, Academic Technologies & Innovation Department, CSUSB**

Jan. 2019–Dec. 2019

- Designed online courses using Blackboard.
- Supported faculty in tailoring their online course based on their needs and specifications.

**Graduate Assistant, College of Education, CSUSB** Sep. 2017–Jul. 2019

- Helped professors from the Instructional Technology Department design online courses for Master level instructional design courses (ETEC 543) and research courses (ETEC 544).
- Graded graduate students' assignments, including discussions, instructional design projects for ETEC 543, and research papers for ETEC 544.
- Conducted research with two professors from the Instructional Technology Department and one professor from the Teacher Education Department, wrote research papers, and presented at research conferences.
- Gave lectures to graduate students in two courses, ETEC 544 and advanced ID course (ETEC 644).

**Treasury Specialist, Corporate Finance & Treasury, ABB (China) Ltd. Beijing.**

Sep. 2007–May 2015

- Provided training and consultancies regarding financial figures and the five projects to 34 Joint Ventures (JVs) and Wholly Owned Foreign Enterprises (WOFEs).

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- As a project manager, I initiated and led five financial projects on behalf of ABB (China) headquarters, including a finance management system and SAP–Loan management module. Implemented the projects with 34 JVs and WOFEs.
- Negotiated and communicated with commercial banks for bank products and the State Administration of Foreign Exchange for policies.
- Managed corporate liquidity, cash pool, entrusted loans, profit reinvestment, dividends, and hedging for foreign exchange and commodities.

**K–12 Teacher**, Linghang Academy, Anhui, China.

Dec. 2003–Jan. 2007

- Taught secondary English, Chemistry, Physics, and Biology.

## Skills

- Quantitative and qualitative research and data analysis
- AI application in education
- Multi-media production
- Communication and presentation skills
- Instructional and curriculum design
- Teaching strategies
- Product and project management
- Critical thinking and Innovative problem-solving, Life-long learner