Bingqing Wang

Email: bingqing.wang@laverne.edu | Mobile:+1 6269495638

EDUCATION

University of La Verne **La Verne, US**
Master of Educational Leadership **Aug.2023 – Present**
Relevant Coursework: *Instructional Leadership, Educational Research and Inquiry, Contemporary Issues in CA Schools, Foundations of Educational Leadership, Human Resource Administration, Organizational Management and School-Community Collaboration*

Hunan Agricultural University Changsha, China
Bachelor of Management in Accounting Sept.2011-Jun.2015
Relevant Coursework: *Fundamentals of Computer Application, Principles of Management, Probability and Mathematical Statistics, Mathematical Modeling, Statistical Principle, Management Information System, Social Science Research Methods, Social Survey*

PROFESSIONAL EXPERIENCE

The University of La Verne, *Academic Technology Specialists* La Verne, CA, US Mar.2024-Present

- Provide academic technology-related support to faculty, staff, students, and community members such as Blackboard, Qualtrics, Digication, MS Office, Adobe Suites, Web content development, SnagIt, Camtasia, and other related academic technology software and tools.
- Provide instructions, orientations, and workshops on academic technology-related topics like AI.
- Assist in community engagement activities such as Maker Fair, and Robotic Summer Camps, as well as providing solutions to solve real-life problems using IoT devices, Raspberry Pi, etc.
- Assist in researching emerging technologies for faculty and students to use to enhance their teaching and/or learning experience.

The First High School of Changsha, *Information Technology Teacher* Changsha, China Apr.2015-Aug.2023

- Taught IT to 75 first-year senior students using scenario modeling, task-driven, and multimedia presentations. Evaluated learning outcomes via in-class contests, achieving a 96% satisfaction rate and the 1st prize in the National High School Information Technology Lecture Competition in 2022.
- Assisted Changsha No.1 High School Education Group in IOI training. Developed targeted teaching plans and selection mechanisms, fostering collaborative progress through an "echelon" learning model. 56 students won medals in both the International and National Olympiad in Informatics.
- Organized training for students participating in the International Science Olympiad. Headed experimental classes, coordinated with instructors, and launched events like summer camps. 8,463 participants, including 16 gold medalists and 318 students admitted to top universities.
- Led school admissions locally, planning, promoting, and guiding various student categories. Managed training for new students and academic record tracking. Enrolled over 8,100 students.
- Managed independent province-wide recruitment. Conducted promotional activities, examinations, interviews, and registration. Recruited 773 students from 2,509 candidates across 14 cities/regions.
- Involved in Hunan Province's 13th Five-Year Plan project on cultivating computational thinking. Contributed to research and teaching material compilation on Internet Information Browsing, summarizing achievements and responsibilities.

Hunan Broadcasting System, *Secretary of President Office* Changsha, China Jul.2014-Apr.2015

- Collaborated with various departments to identify emerging trends and audience preferences, leading to the development of diverse programming.
- Cultivated partnerships with external content creators and production houses to bring fresh and innovative content to our audience.
- Implemented strategies to leverage new technologies and distribution channels, ensuring the accessibility and relevance of our content in a rapidly evolving media landscape.

RESEARCH EXPERIENCE

Exploration of Multiple Models and Operational Mechanisms for Education Poverty Alleviation in the First High School of Changsha, *Research Member*

- **Summary**:
  - The research highlights the importance of situational context in cultivating computational thinking skills in high school information technology courses, emphasizing the diverse cognitive processes involved in problem-solving. By advocating for a broader integration of computational thinking skills across various course modules, the study aims to enhance students' problem-solving abilities beyond traditional algorithmic thinking and programming. By immersing students in real-life contexts, and guiding them through problem decomposition, solution exploration, and model optimization, educators can foster a deeper understanding of computational thinking principles and prepare students for the challenges of the digital era.

- **Methodology**:
  - The study employs scenario-based teaching strategies that integrate real-life contexts with specific knowledge points and genuine student needs, emphasizing the importance of authentic problem scenarios in fostering computational thinking skills. By guiding students through problem decomposition and solution exploration, educators aim to help students abstract general problem-solving methods from their specific experiences, facilitating a deeper understanding of computational thinking principles. Through practical application and integration across diverse subject areas, educators seek to enhance students' problem-solving abilities and prepare them for the complexities of information technology in the digital age.
- **Findings**:
  - The study observes significant improvements in students' computational thinking skills through scenario-based teaching methods, as evidenced by enhanced problem-solving abilities and a deeper understanding of computational thinking concepts. Integrating computational thinking across various course modules enables students to apply these skills flexibly in different contexts, contributing to their overall proficiency in information technology. By bridging theoretical concepts with real-life applications, educators enhance students' engagement and motivation in learning information technology, ultimately preparing them to tackle complex problems and adapt to evolving technological landscapes in the digital age.

EXTRACURRICULAR EXPERIENCE

Education Poverty Alleviation Project, *Volunteer* Sept.2021-Present

- Quarterly, spearheaded teams to provide voluntary teaching sessions in underdeveloped regions, while also pioneering recurring fundraising initiatives.

PEER Summer Program, *Course Evaluator* Jun.2016-Aug.2016

- PEER is a non-profit organization dedicated to promoting equity in education in rural and urban China, enhancing educational resources in underdeveloped areas of China, and developing liberal arts, humanities, and high-quality education
- Developed strategic proposals for enhancing educational resources in underdeveloped regions of China.
- Facilitated co-learning groups and workshops for educators, fostering collaboration and identifying new educational opportunities.
- Contributed to the development of liberal arts, humanities, and high-quality education initiatives in both rural and urban settings.

ADDITIONAL INFORMATION

Languages: English (Proficient); Chinese (Native)

Skills: MS Office, Photoshop, C++ Language, Python, VB, Neo4j Cypher, HTML

Certificates: Microsoft Office Specialist, Certificate of Accounting Professional, National Psychological Consultant (Level 3), Certificate of Completion of Tsinghua University Artificial Intelligence University-Secondary Bridging Program