

# *Curriculum Vitae*

## **Jaime Ann McQueen, Ph.D.**

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**Professional Instructional Design and Education Portfolio:** <http://www.jaimemcqueenphd.com>

## **EDUCATION AND CERTIFICATIONS**

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### **Ph.D. - Curriculum and Instruction**

*Texas A&M University-Corpus Christi, Corpus Christi, Texas 5/2017*

Instructional Design and Educational Technology emphasis.

Science Teacher Education emphasis.

Dissertation: "*The effects of biology lab delivery mode on academic achievement in college biology*".

### **M.S.Ed. - Instructional Design and Educational Technology**

*Texas A&M University-Corpus Christi, Corpus Christi, Texas 12/2011*

### **B.S. - Biology**

*Texas A&M University-Corpus Christi, Corpus Christi, Texas 12/2008*

Marine Biology/Field Biology emphasis.

### **Texas Teacher Certifications**

*State Board of Educator Certification*

Science (Grades 8-12)

Special Education Supplemental (Grades 8-12)

## **SKILLS AND QUALIFICATIONS**

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### **Skills**

- Curriculum and Instruction - *Instructional Design/Technology and Science specialization*
- Program Evaluation, Design, and Project Management
- Blackboard/Online/LMS course design (*AICC, SCORM, OLC, QM*)
- Instructional Design (*ADDIE, Agile, ARCS, Iterative Process, World Café*)
- Extensive knowledge of Learning Theories (*Adult Learning Theory, Constructivism, Problem Based Learning*)
- Curriculum Design and Development (*eLearning, Blended, Case based, Face-to-Face, Instructor led, Scenario based environments*)

- eLearning software (*Adobe eLearning Suite, Creative Cloud Software/Articulate Storyline, Studio, Presenter/Camtasia*)
- Instructional Needs Analysis
- Information Technology Training
- Project Collaboration
- Assessment design, development, and evaluation
- SPSS/ Data analysis, management, and reporting
- Quantitative, Qualitative, and Mixed Methods research methodologies
- Design and Development Research
- Research Publication
- Computer software/hardware maintenance and support
- Educational Technology Integration
- Programming languages ( *HTML 5, javascript, C++, ActionScript, CSS, Visual Basic* )
- Virtual Labs/ Simulation/ Augmented Reality Research
- Mobile and Web Application Design and Development (*Corona SDK, jQuery, Ruby on Rails, PhoneGap Build, Flash Builder*)
- Website design (*Dreamweaver, Business Catalyst, Muse*)
- Database/Server administration and maintenance (*Access, PHP, Java, SQL*)
- Educational/Scientific Research
- Science research and education

## Qualifications

- Curriculum and Instruction experience
- Program Evaluation, Design, and Project Management experience
- Blackboard/Online/LMS course design and instruction experience
- Instructional Design experience
- Information Technology Industry experience
- Curriculum Design and Development experience
- Project Collaboration experience
- Research publication experience
- Grant and report writing experience (NSF)
- Assessment design, development, and evaluation experience
- Design and Development research experience
- Extensive knowledge of Federal and State educator/student standards and reporting (*TEKS, NGSS, STAAR, ISTE, TEDS, TAPR*)
- Research / Conference Presentation experience (*AECT, TAAE, SERA, Pathways research symposium*)
- Educational Technology experience
- Computer software/ hardware maintenance and support experience
- Virtual Labs/ Simulation/ Augmented Reality Research experience
- Mobile and Web Application design and development experience
- Website design and computer programming experience
- Database/Server administration and maintenance experience
- Educational/Scientific research experience
- Science research and education experience
- Experience and research in special learning populations (*504, Special Ed., Non-Traditional Students, Online Learners, At-Risk, military students, ESL, SES*)

**Note:** For linked product samples, please visit my instructional design and education portfolio <http://www.jaimemcqueenphd.com> .

## RESEARCH EXPERIENCE

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### **Texas A&M University - Corpus Christi**

*Graduate Research Assistant*

Corpus Christi, TX

8/2015-5/2016

- Served as a doctoral research assistant in the college of education and human development; helped to organize, promote, and facilitate the Coastal Bend Regional Science Fair. Analyzed relevant data and published reports. Collaborated with local school districts, colleges, and universities to foster student participation and success in regional, state, and international science fairs.

### **Texas A&M University - Corpus Christi**

*Graduate Research Assistant*

Corpus Christi, TX

6/2014-6/2016

- Served as a doctoral research assistant in the office of distance education and learning technologies; performed quantitative and qualitative data analysis. Collaborated in writing NSF funded research publications. Served as an instructional design project manager and worked with a team on an instructional design and development project to convert a face-to-face genomics ethics course at Texas A&M University-College Station into an online openly distributed Massive Open Online Course (MOOC).

### **University of Texas - Marine Science Institute**

*Student Research Assistant*

Corpus Christi, TX

10/2006-4/2007

- Served as a student mariculture researcher, studying the endocrinology and reproductive habits of the Atlantic Croaker (*Micropogonias undulatus*) and Cobia (*Rachycentron canadum*). Performed scientific procedures including: Polymerase Chain Reaction (PCR), Aquaculture, specimen examination and collection, hydrological testing and tank maintenance, and operation of laboratory equipment. Collected, analyzed, and reported project relevant data.

## TEACHING EXPERIENCE

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### **Tuloso - Midway ISD**

*High School Science Teacher*

Corpus Christi, TX

7/2009-5/2016

- Instructed 9-12 grade students in required science courses for graduation (Aquatic Science, Anatomy and Physiology, Biology, Chemistry, Integrated Physics and Chemistry, and Physics). Implemented and designed science based curriculum and instructional technology materials in the classroom. Collaborated with faculty to serve the needs of a diverse student population. Increased student standardized test scores in Science.

## RELATED PROFESSIONAL EXPERIENCE

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### **Flour Bluff ISD**

*Campus Technologist*

Corpus Christi, TX

7/2008-5/2009

- Developed faculty, staff, and students' capabilities at Flour Bluff Junior High with computer software, hardware, and networking. Provided computer lab testing and instructional software setup. Trained faculty to use instructional programs and media.

### **Texas A&M University-Corpus Christi**

*Faculty Hardware/ Software Support*

*Technician*

Corpus Christi, TX

5/2006-6/2008

- Performed software/ hardware maintenance on faculty and staff computers. Implemented troubleshooting skills to quickly resolve software and hardware related issues. Trained faculty and staff in basic computer skills and software use.

### **Texas A&M University-Corpus Christi**

*Faculty Computer Technical Support*

*Helpline Technician*

Corpus Christi, TX

2/2005-5/2006

- Assisted faculty and staff by troubleshooting technology related issues over the phone. Collaborated to maintain an online work-order database used for logging calls which required in-person technical support, ordering software and technology, and registering hardware.

## HONORS AND AWARDS

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First Place Research Poster, Doctoral Education. 13th Annual Pathways Student Research Symposium, Prairie View, TX. (November, 2016).

Third Place Winner, Doctoral Presentation. Three Minute Thesis Competition, Texas A&M University-Corpus Christi, Corpus Christi, TX. (November, 2016).

## PUBLICATIONS

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### **Refereed Journal Articles**

McQueen, J., & Cifuentes, L. (submitted April, 2017). The effects of mode of lab delivery on learning biology concepts. *Computers & Education*.

Cifuentes, L., Park, S. W., McQueen, J., & Riggs, P. (submitted November, 2016). Collaboratively developing e-learning modules and courses across a distance. *International Journal of E-Learning*.

## **Works in Progress**

McQueen, J., & Cifuentes, L. (2017). The effects of biology lab delivery mode on academic achievement in college biology. *Proceedings of the International Association for Educational Communications and Technology annual conference*, Jacksonville, FL.

McQueen, J., & Cifuentes, L. A systematic literature review of instructor presence and learner control in physical and virtual laboratory environments in STEM classes. Article manuscript in progress, to be submitted August, 2017.

McQueen, J., & Cifuentes, L. A qualitative exploration of students' experiences of instructor presence and learner control in physical and virtual labs. Article manuscript in progress, to be submitted July, 2017.

## **Published Refereed Proceedings**

Cifuentes, L., Park, S. W., & McQueen, J. (2015). Designing and developing a case-based MOOC to impact students' abilities to address ethical dilemmas. *Proceedings of the International Association for Educational Communications and Technology annual conference*, Indianapolis, IN.

## **Dissertation and Thesis**

McQueen, J.A. (2017). *The effects of biology lab delivery mode on academic achievement in college biology* (Order No. 10259993). Available from ProQuest Dissertations & Theses Global. (1889186492).

McQueen, J. (2011). *Teaching high school chemistry students to balance chemical equations through the use of an interactive computer learning module* (Unpublished master's thesis). Texas A&M University-Corpus Christi, Corpus Christi, TX.

## **Other Publications**

McQueen, J. (February, 2017). The effects of biology lab delivery on academic achievement in biology in a sample of non-majors college undergraduate students. Accepted conference paper for the 40th Annual Southwest Educational Research Association conference, San Antonio, TX.

McQueen, J. (February, 2016). The effect of virtual laboratory investigations on student achievement in biology. Accepted conference paper for the 39th Annual Southwest Educational Research Association conference, New Orleans, LA.

## REFEREED CONFERENCE PRESENTATIONS

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- McQueen, J., & Cifuentes, L. (February, 2017). *The effects of biology lab delivery mode on academic achievement in college biology*. Accepted concurrent session presentation for the 2017 International Association for Educational Communications and Technology annual conference, Jacksonville, FL.
- McQueen, J. (February, 2017). *The effects of biology lab delivery on academic achievement in biology in a sample of non-majors college undergraduate students*. A concurrent session for the 40th Annual Southwest Educational Research Association conference, San Antonio, TX.
- McQueen, J. (November, 2016). *The effects of biology lab delivery on academic achievement in biology in a sample of non-majors college undergraduate students: A sequential explanatory mixed methods inquiry*. Award-winning poster session at the 13th Annual Pathways Student Research Symposium, Prairie View, TX.
- McQueen, J. (February, 2016). *The effect of virtual laboratory investigations on student achievement in biology*. A concurrent session for the 39th Annual Southwest Educational Research Association conference, New Orleans, LA.
- Cifuentes, L., Park, S.W., & McQueen, J. (November, 2015). *Designing and developing a case-based MOOC to impact students' abilities to address ethical dilemmas*. A concurrent session for the International Association for Educational Communications and Technology annual conference, Indianapolis, IN.
- McQueen, J. (February, 2014). *The techie teacher*. A concurrent session for the 24th Annual Texas Association for Alternative Education conference, Austin, TX.

## SERVICE AND AFFILIATIONS

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- School Science Fair Judge, 5<sup>th</sup> Grade Physical Sciences Category. Gloria Hicks Elementary, Corpus Christi, Texas (November, 2016).
- Coastal Bend Regional Science Fair student worker. Corpus Christi, Texas (February, 2016).
- Coastal Bend Regional Science Fair judge, Junior Division Life Sciences. Corpus Christi, Texas (February, 2014).
- Member, Association for Educational Communications and Technology (AECT)
- Member, National Science Teachers Association (NSTA)
- Member, Golden Key International Honour Society
- Member, American Mensa