

JAIME ANN MCQUEEN, Ph.D.
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Professional Research, Science Education, & Instructional Technology Portfolio: <http://www.jaimemcqueenphd.com>

EDUCATION AND CERTIFICATIONS

Ph.D. - Curriculum and Instruction

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

Science, Technology, Engineering, and Mathematics (STEM) Education emphasis.

Instructional Technology and Instructional Design emphasis.

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

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

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.

Certifications

Consortium for School Networking

Certified Education Technology Leader (CETL),

Expected 12/2017

Texas State Board of Educator Certification

Science (Grades 8-12)

Special Education Supplemental (Grades 8-12)

Gifted and Talented Supplemental, Expected 11/2017

SKILLS AND QUALIFICATIONS

- Management and Organization of Research, Education, and Technology programs (*Budgets, project teams, equipment and materials, records, scheduling, and technology support*)
- Research program and Assessment planning, design, implementation, and evaluation experience [higher education/K-12]
- Research grant and report writing experience (*National Science Foundation [NSF], Technology/Education plans, Institutional improvement plans*)
- Strong research project collaboration/communication skills and experience (*face-to-face, distance/remote, verbal, web conferencing, and written*)
- SPSS/Data analysis, collection, management, and reporting experience (*Quantitative, Qualitative, and Mixed Methods methodologies*)
- Scientific, Educational, and Technology research presentation and publication experience (*AECT, TAAE, SERA, Pathways research symposium*)
- Laboratory equipment and materials management and maintenance experience.
- Professional Aquaculture, Fisheries, and Mariculture research experience.
- Expert knowledge and experience in scientific methodology, procedures, and data collection (*Biology, Chemistry, Marine Science, Field Biology*)
- Database/Server administration and maintenance experience (*client/server technologies, MySQL, SQL, XML*)
- Mobile/Web Application and website design and development (*ActionScript, Corona SDK, CSS, HTML 5, jQuery, Ruby on Rails, Starling, PhoneGap Build, Flash Builder, Dreamweaver, Business Catalyst, Muse*)
- Computer programming languages (*C++, java, javascript, JSON, PHP, PERL, Python, Visual Basic*)
- Computer hardware/software maintenance and Technology support management experience.
- Curriculum and Instruction (higher education/K 12) education experience- *STEM Education and Instructional Technology/Design specialization*

RESEARCH EXPERIENCE

Texas A&M University - Corpus Christi Corpus Christi, TX
Graduate Research Assistant 6/2014-6/2016

- Implemented curriculum design and educational technology skills, performed quantitative and qualitative data analysis. Collaborated in writing NSF grant funded project reports and monitoring instructional technology project needs and progress. Served as project manager, worked with a diverse multi-institutional team 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). Assisted in authoring and presenting project specific professional research publications and conference presentations.

Texas A&M University - Corpus Christi Corpus Christi, TX
Graduate Research Assistant 8/2015-5/2016

- Helped to plan, direct, coordinate, and facilitate the Coastal Bend Regional Science Fair. Implemented project management and curriculum support skills to deliver related professional development training to local school districts, staff, students and their families. Supervised, maintained, and managed the science fair schedule, budget, and ensured financial records and reports. Directed and supervised the work of science fair volunteers and staff. Analyzed relevant research data and published reports.

University of Texas – Marine Science Institute Corpus Christi, TX
Student Research Assistant 11/2006-3/2007

- 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.

RELATED PROFESSIONAL EXPERIENCE

Tuloso - Midway ISD Corpus Christi, TX
High School Science Teacher 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). Directed science curriculum, college-readiness, special education, and STEM programs. Evaluated curriculum and academic program needs and progress, published related reports. Collaborated with campus faculty and staff to serve the needs of a diverse student population. Increased student standardized test scores in science.

Flour Bluff ISD Corpus Christi, TX
Campus Technologist 8/2008-5/2009

- Managed campus technology support, developed a technology plan to meet the instructional and administrative program needs of the campus, district, and community. Maintained budgets, related grants, and schedules to ensure acquisition of campus technology and support. Provided support in: computer software, hardware, programming, and systems maintenance; network/server design and maintenance; audiovisual equipment; and e-mail management. Developed faculty, staff, and students' capabilities through design and delivery of educational technology professional development and training.

Texas A&M University-Corpus Christi Corpus Christi, TX
Faculty Hardware/Software Support Technician 5/2006-6/2008

- Used specialist and troubleshooting skills to efficiently respond to work-orders and provide technology support through software/hardware maintenance on faculty and staff computers. Analyzed and assessed client technology support needs, effectively communicated to provide coordinated assistance.

Texas A&M University-Corpus Christi Corpus Christi, TX
Faculty Computer Technical Support Helpline Technician 2/2005-5/2006

- Assisted faculty and staff by troubleshooting technology related issues over the phone. Evaluated and monitored client support and schedules, registered and ordered hardware and software, and maintained an online work-order database to ensure efficient operation of the helpdesk. Collaborated with computer hardware/software support, media services, network services, and telecommunications departments to ensure the technology support objectives of the Information Technology department were met.