

Julia Wallen

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RESEARCH INTERESTS

Population genomics; ecology and evolution of fishes; fisheries science

EDUCATION

Texas A&M University-Corpus Christi

Masters of Science, Fisheries & Mariculture, Marine genomics lab

2016 – Present

— Faculty Mentor: Dr. David S. Portnoy

Texas State University

2010 – 2011

Bachelors of Fine Arts, Painting, Minor in Writing

— Cum Laude

RESEARCH EXPERIENCE

Student Researcher – Marine Genomics Lab, Texas A&M University – CC

09/2016 – Present

Examining population structures of *Bagre marinus* in the Gulf of Mexico using mitochondrial DNA.

- Lab work: DNA extractions, PCR, gel electrophoresis
- Field work: Longline fishing in Texas bays and estuaries

Research Assistant, Fish Systematics and Conservation Lab, Texas A&M University - CC

09/2016 --Present

- Sort and identify fish species collected in Africa and Indonesia
- Pack fish collections and send to various institutions
- Record information about each collection in a master database

Volunteer – NOAA 2017 Summer Groundfish Survey

- Identification of fishes and invertebrates and collection of specimens

Volunteer -- Bat Conservation International – Braken Cave

01/2014 – 08/2015

- Collected and identified plant samples for survey of plant species diversity after controlled burns at the Bracken Cave grounds.

TEACHING EXPERIENCE

Learning Lab Manager, Austin Community College, Austin, TX

01/2014 – 06/2015

- Managed implementation of multi-discipline tutoring program for multiple campuses.
- Tutored students in English and Writing, and some lower level math and science courses.
- Hired and trained tutors.
- Maintained College Reading and Learning (CRL) Tutor certification for my center and tutors.
- Served as President Elect of the Association of Professional and Technical Employees.

Tutor, Manor High School, Manor, TX

08/2008 – 06/2012

- Ran individual and group tutoring sessions
- Subjects include Biology, Chemistry, Mathematics, and Writing. (grades 6-12)
- Taught Math, Reading, and Writing TAKS (Texas Assessment of Knowledge and Skills) Intervention courses of 20-30 students aimed to prepare graduating seniors for one or more component of TAKS that they had previously failed (required to graduate).

FUNDING AWARDED

- **Louis Stokes Alliances for Minority Participation Undergraduate Research Grant:** College of Science and Engineering, Texas A&M University-Corpus Christi (2016-2017) - \$3,380 for tuition fees and research funding

KEY SKILLS

- Lab: Primer Design, DNA extraction, PCR
- Field: longline fishing, gillnet surveys

MEMBERSHIPS AND CERTIFICATION

- American Fisheries Society
- Texas Chapter of the American Fisheries Society
- TAMU-CC American Fisheries Society Student Subunit
 - Serving on outreach committee for local student subunit.
- SACNAS (Society for the Advancement of Chicanos and Native of Americans in Science)