

# Frederick (Fritz) McGirr

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## Experience

New England Aquarium • Giant Ocean Tank Dive Internship/Volunteer • September 2020-Present

- Husbandry of 1000+ inhabitants of a 200,000 gallon Caribbean reef exhibit
- Tracking of species health, feedings, cleanings, and care
- Diet planning, preparation, administration, and analysis
- Assistance for medical procedures
- Visitor education and interaction
- Exhibit maintenance and cleaning

Abode Energy Management • Clean Energy Fellowship • January 2020-May 2020

- Implementation of the MASS SAVE program for heating and cooling efficiency
- Customer outreach through phone and email
- Scheduling and management of contractors

New England Aquarium • Mammal Husbandry Volunteer • September 2019-September 2020

- Husbandry of California sea lions, Atlantic harbor seals, and northern fur seals on exhibit
- Diet preparation
- Behavior tracking, training, and enrichment planning
- Visitor education and interaction
- Exhibit maintenance and cleaning

## Employment

East Coast Divers • September 2020-Present

- Dive center staff
- Certifications: visual cylinder inspector, nitrox and trimix gas blender

Self-employed touring musician • September 2010 - March 2020

## Education

Northeastern University • Candidate for MS in Marine Biology: September 2021 - December 2022

Tufts University • Part time student: January 2020 - May 2020

- Bio 133: Ecological models and data in R

Harvard Extension School • Part time student: September 2019 - May 2020

- ENVR E-110: Sustainable Ocean Environments
- Bios E-1a: Introduction to Molecular and Cellular Biology

The Soundscape Recording Studio: 2013

- Certificate in Audio Engineering and Recording Technology

University of Michigan School of Music, Theater, and Dance: 2010

- Bachelor's of Music; Percussion Performance

University of Limerick, Irish World Academy of Music and Dance: 2009

- Bodhran Performance, focus on ethnomusicology/globalization of traditional Irish music

## Software

Data Analytics - R Suite

Operating systems - Windows, Mac

Word Processing - Microsoft Office, Google Suite

Spreadsheets - Excel, Google

Social Media - LinkedIn, Facebook, Instagram, Twitter

## Dive Certifications

Open Water • 2019

Advanced Open Water • 2020

Rescue Diver • 2020

First Aid/CPR/AED/Oxygen Administration • 2020

Divemaster • 2021