

Leo McGuinness

(646)-379-0818
Cell Phone

21 ave C
New York, NY, 10009

I have the following skills to offer your company for an entry level position as a Marine Biology lab/field technician .

COLLEGE AND CAREER READY

Academic Achievements

- Anticipate successful completion of 576 hours in the Marine Biology Research Program at the New York Harbor School, NY, NY 10004, and earning an advanced regents diploma by June 2019
- 2 SUNY Research College Credits, NOCTI Natural Resources Systems & New York City Science and Engineering Fair Certifications
- Participating in 2018 LEAF Internship, a Nature Conservancy program ,June 29th, 2018 - August 2nd, 2018. 322 8th Ave, NY, NY 10001
- New York Harbor Seals Microbiology Caption, New York Harbor School, NY, NY, 10004.
- Harbor Seals Microbiology Mentor, New York Harbor School, NY, NY, 10004

Industry Knowledge

- Project/Research Management
- Field Sampling skills
- Physical-chemical Analysis
- Sample analyzing skills
- Data Acquisition & Management
- Information Technology & Statistics
- Instrumentation skills
- Presentation skills

Real-World Applications

Skills Mastered:

- Independent Research in Marine Ecology
- Leadership of 20 Citizen Science Volunteers for Civitas and Harbor Seals
- Project Manager of Phytoplankton, group in Harbor Seals
- Time Management with Chronograms
- Technical Reading of Peer Reviewed Journal Articles
- Active Note-Taking
- Technical Writing of Scientific Research Papers
- Professional Presentation at Regional-Wide Audiences
- Use and Maintenance of Professional-Grade Water & Biological Sampling Instrumentation (beta bottle, plankton nets, etc.)
- Field Sampling Techniques of Marine Biodiversity
- Data Management Techniques (*i.e.* Precision, Bias, Representativeness, *etc.*)
- Communication and Networking with Professional Scientists and Mentors
- Ecological Experimentation Techniques (*i.e.* replication, randomization, *etc.*)
- Determining instrument sensitivity
- Using a dichotomous key to identify organisms
- Career and Financial Management (*i.e.* Transition and Transferable Job skills, Money Management, *etc.*)

Tools:

- Microsoft Office
- Winkler Method
- Beta Bottles
- Digital/light Stereoscopes
- Flow meter
- Micropipettes
- Hanna combo meter
- Plankton Nets
- Information Technology & Statistics
- Instrumentation skills
- Digital scale
- Microscope photography
- Microscopes/Stereoscope



**Certified
Career
and
Work Force
Ready**

- Cedric Rafter
- pipettes
- YSI Handheld Water Quality Instruments

Workplace Experience

- Marine Research Intern, New York Harbor School, Governors Island. September 15th 2016 – June 30th, 2019. Duties included: Ecological Sampling, working on Independent research project & Data Analysis.
- Phytoplankton Caption, NY Harbor Foundation, NY, NY, 10004. September 15th – June 30th, 2019. Duties include: Mentoring all volunteers & following water quality sampling protocols.
- Frames and Stretchers, 107 Suffolk Street, NY, NY, 10002. may 7th, 2016 - July 8th, 2016. Duties included: sweeping, carrying frames, cutting down boxes, watering the plants, writing thank you notes and other various tasks.
- 2018 LEAF Intern, 322 8th Ave, NY, NY 10001, Blank-Blank. Duties included, setting up for Nature Conservancy fundraiser, endangered species monitoring, oyster restoration, fence installation
- Harbor Seals Microbiology Mentor, New York Harbor School, NY, NY, 10004 . September 1st, 2018- graduation. Duties Include, mentoring microbiology team captain, overseeing younger students and team caption when working on microbiology and making sure everyone is practicing the proper procedures when sampling and analyzing.

Interests Achievements

- Working on an Independent Research project
- Microbiology team captain
- Open water diving certification
- 2 College Credits through SUNY Albany in Intermediate Research
- Mentor of Microbiology group
- Caption of New York City Lions youth football (former)
- Participate in NYCSEF
- LEAF certificate of Achievement
- Applying to NYCSEF