

DANA ROCHA

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EDUCATION

Northeastern University

Master of Science in Bioinformatics, Graduate Certificate in Data Analytics (3.66/4.0)

Relevant Coursework: Algorithms, Bioinformatics Programming, Data Mining/Machine Learning

Boston, MA

Dec 2020

Northeastern University

Bachelor of Science in Biochemistry

Boston, MA

Aug 2018

CERTIFICATIONS: NIH - Protecting Human Research Participants, PADI Open Water/Drysuit Diver

TECHNICAL SKILLS

Languages Python, R, C

Data Science Libraries GGplot2, Matplotlib, Pandas, NumPy, Scikit-Learn

Tools Visual Studio Code, RStudio, PyCharm, Spotfire, Pipeline Pilot, Confluence, SharePoint

Databases Oracle DBMS, DBeaver, MySQL

Web Technologies SQL, HTML5, CSS3, Bootstrap, JavaScript

PROFESSIONAL EXPERIENCE

Merck & Co.

Boston, MA

Informatics Co-op – MRL Computational and Structural Chemistry

Jan 2020 – Aug 2020

- Trained machine learning models to identify relationships between compounds, genes, and diseases
- Queried chemical data from public and internal databases using Pipeline Pilot, Pilot Script, and SQL
- Delivered compound sets to three drug discovery research programs in Chemical Biology for initial testing
- Created interactive Spotfire data visualization dashboards for over 140,000 compounds and genes
- Presented data insights to chemists and data scientists within Chemical Biology and Informatics
- Led weekly meetings with co-workers to promote an inclusive virtual community during global pandemic

East Coast Divers

Boston, MA

Store Associate

Aug 2019 – Mar 2020

- Greeted and assisted customers by suggesting suitable dive equipment based on needs and skill level
- Processed Point-of-Sales transactions including checks, cash, credit card purchases, and refunds
- Conducted minor repairs and maintenance on scuba diving equipment including air tanks, wetsuits, and BCDs

Orig3n Inc.

Boston, MA

Research Assistant Co-op

Jul 2017 – Dec 2017

- Maintained stem cell cultures for internal assays and animal studies
- Characterized stem cell cultures with fluorescence microscopy and flow cytometry
- Represented Orig3n as a brand ambassador at events in New York City, Baltimore, and Lake Tahoe

Brigham and Women's Hospital

Boston, MA

Lab Technician Co-op – CCI Specimen Processing Lab

Jun 2016 – Dec 2016

- Processed specimens for clinical studies conducted by the CCI Units and Emergency Department
- Completed all documentation required for individual specimens according to protocol requirements
- Maintained laboratory instrumentation to performance standards

LEADERSHIP EXPERIENCE

Northeastern University

Remote

Student Facilitator – Graduate Leadership Institute

Feb 2021 – Present

- Mentored 40+ graduate students on developing leadership competencies outlined by learning goals
- Led weekly online workshops and discussions with students
- Oversaw logistics for online workshops and discussions using Zoom, FlipGrid, and Canvas
- Hosted weekly virtual meetings with co-facilitators to plan workshops, activities, and presentations