

Daniel DeWaters

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OBJECTIVE

Research Technologist with 2 years of experience in research seeking a challenging position in the Data Science field to contribute my programming and technical skills.

EDUCATION

University of Maryland, Baltimore County (UMBC) BS, Biology with Minor in Bioinformatics	Aug 2016 - July 2018 Catonsville, MD
College of Southern Maryland (CSM) AS, Biological Sciences, Dean's List 2014-2016	Aug 2014 - May 2016 La Plata, MD

WORK EXPERIENCE

Research Technologist/Data Analyst Johns Hopkins University (JHU)	Mar 2019 - Mar 2020 Baltimore, MD
<ul style="list-style-type: none">Collaborated with bioinformaticians and statisticians to analyze methylation data and other data sets using R.Assisted graduate students with writing R scripts to facilitate their projects.Managed database of medical records and sequencing data using FileMaker Pro.Annotated records in database with incomplete or outdated information.	
Research Laboratory Assistant/Technician University of Maryland, Baltimore County (UMBC)	Aug 2017 - July 2018 Catonsville, MD
<ul style="list-style-type: none">Wrote a thesis paper for an independent project involving estimating ploidy of specimens by analyzing genotyping-by-sequencing (GBS) data in R.Gave verbal and poster presentations on independent projects.Developed Python scripts to facilitate data analysis and input.Mentored and trained college-aged interns for the "Build a Bridge to STEM" internship.	

ACHIEVEMENTS

- Completed the 10-course Data Science specialization provided by Johns Hopkins University on Coursera. Certificates earned December 2019.
- Developed an automated file type conversion utility in Python that converts GBS files to an R package-compatible format used in ploidy statistical analysis.
- Rewrote VCF File Converter utility in R as a shiny gadget to optimize ploidy analysis pipeline and distributed it as an R package to improve accessibility.
- VCF File Converter utility has been recognized by industry researchers globally and used to support scientific analysis resulting in published studies.**

PERSONAL

Enjoy weightlifting, digital art, and gardening. Currently reading *How Design Makes the World* by Scott Berkun and *Sapiens: A Brief History of Humankind* by Yuval Noah Harari.

SKILLS

R

- Tidyverse
- Ggplot2
- Plotly
- Shiny
- Rvest
- Keras
- Roxygen2
- R markdown

Python

- Pandas
- Numpy
- Matplotlib
- BeautifulSoup
- Scikit-Learn

Other

- C++
- Git
- SQLite
- MySQL
- Regular Expressions
- Microsoft Office Suite

COURSERA CERTIFICATES

- [Data Science Specialization by JHU](#)
- [The Data Scientist's Toolbox](#)
- [R programming](#)
- [Getting and Cleaning Data](#)
- [Exploratory Data Analysis](#)
- [Reproducible Research](#)
- [Statistical Inference](#)
- [Regression Models](#)
- [Practical Machine Learning](#)
- [Developing Data Products](#)
- [Data Science Capstone](#)
- [The R Programming Environment](#)
- [Advanced R programming](#)
- [Building R Packages](#)

*References available upon request.