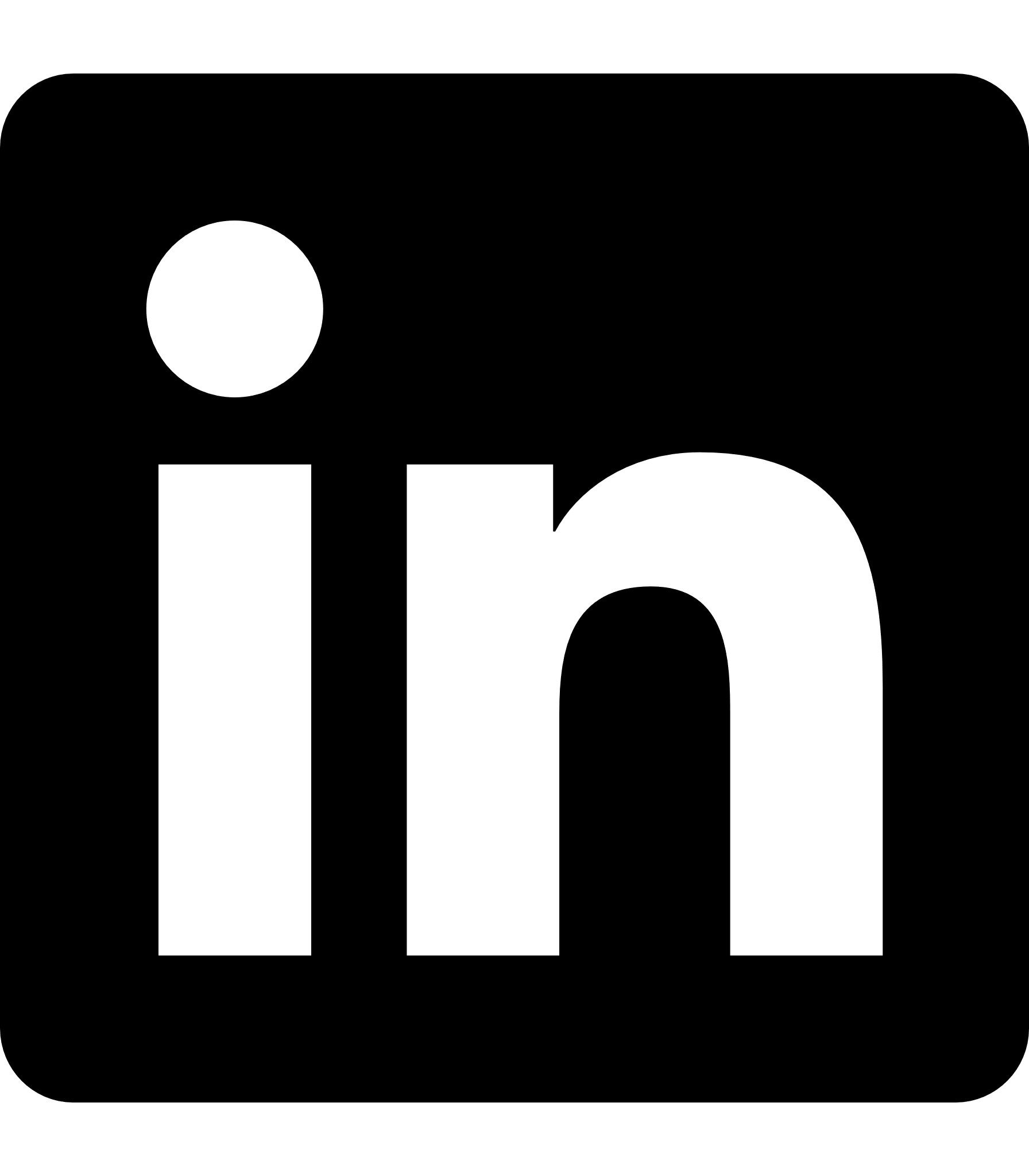
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 [Portfolio](dandewaters.github.io)

 [LinkedIn](https://www.linkedin.com/in/DanielDeWaters)

 [GitHub](https://github.com/DanielDeWaters)

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)** Aug 2016 - July 2018

BS, Biology with Minor in Bioinformatics Catonsville, MD

**College of Southern Maryland (CSM)** Aug 2014 - May 2016

AS, Biological Sciences, Dean’s List 2014-2016 La Plata, MD

**WORK EXPERIENCE**

**Research Technologist/Data Analyst** Mar 2019 - Mar 2020

Johns Hopkins University (JHU) Baltimore, MD

* 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* Annotated records in database with incomplete or outdated information.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** Aug 2017 - July 2018

University of Maryland, Baltimore County (UMBC) Catonsville, MD

* 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.

**\*References available upon request.**

**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**](https://coursera.org/share/da475137365a096d4f4b22436e38cf16)
* [**The Data Scientist’s Toolbox**](https://coursera.org/share/78323efaf8e369600f48d799dea6849c)
* [**R programming**](https://coursera.org/share/805c961d671a9c970dbca45ddf1e0bf2)
* [**Getting and Cleaning Data**](https://coursera.org/share/a3f994e601eb4ece21b45a06a5ff2399)
* [**Exploratory Data Analysis**](https://coursera.org/share/6ae12b074673116ec4987582e439e08f)
* [**Reproducible Research**](https://coursera.org/share/15894e1aacdc1bdec2a1cec7bbcd1c15)
* [**Statistical Inference**](https://coursera.org/share/23e76149530dd5305fc2b5d4dc549777)
* [**Regression Models**](https://coursera.org/share/cdb437f40f42ac1a3cc5f66462bd65d4)
* [**Practical Machine Learning**](https://coursera.org/share/b05e073dcdc00539bc57cfb35967d8dd)
* [**Developing Data Products**](https://coursera.org/share/dd752bf1160145af5ea3990f645f18ee)
* [**Data Science Capstone**](https://coursera.org/share/0f9640b17379004e4cf838fee8ce154b)
* [**The R Programming Environment**](https://coursera.org/share/fa98eabcbaf531eab104c485eb824d13)
* [**Advanced R programming**](https://coursera.org/share/73282ac7dc86b28b018dda602fffdc05)
* [**Building R Packages**](https://coursera.org/share/b4e2ce8ff4198c5d51cea7094fb75c48)