John Carlo Maula

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SUMMARY

Highly organized and detail-oriented graduate from The Ohio State University seeking a data analyst position. Experienced in statistical modeling, data analysis, problem solving, project management, teamwork, and communication from working on various projects and position as a research assistant. Passionate about helping people with the desire to apply skills and knowledge to provide services that will improve health outcomes.

EDUCATION

Bachelor of Science in Data Analytics   08/2016 – 05/2020 | Columbus, OH
The Ohio State University

- Specialization in Biomedical Informatics
- Double minor in Mathematics & Epidemiology
- **Awards:** Maximus, Battelle, & Veeam Scholarships, Dean's List, *magna cum laude* (GPA: 3.72)
- **Activities**: Big Data Analytics Association, Undergraduate Research

PROFESSIONAL EXPERIENCE

Bioinformatics Research Assistant   07/2018 – 05/2020 | Columbus, OH
The Ohio State University

- Developed a data analytic pipeline for the development of high-fidelity, whole-genome sequencing technology
- Analyzed and parsed DNA sequencing datasets from Nanopore sequencing technology using high performance computing resources
- Provided highly-detailed documentation of code to communicate process to non-technical collaborators
- Self-taught Python programming and other software packages such as BioPython and BLAST (Basic Local Alignment Search Tool)
- Collaborated extensively with other undergraduate and graduate researchers and conducted weekly meetings to discuss results and ideas

SKILLS

Python • R • SQL • Tableau • JMP • Git • Linux • Microsoft Office

PROJECTS

Data Analytics Capstone Project   01/2020 – 04/2020
The Ohio State Office of Advancement

- Collaborated with team members to explore and model OSU campaign donations data
- Performed exploratory data analysis, data cleaning, and feature engineering using various libraries in R
- Developed models such as logistic regression, random forest, and LASSO to predict constituents donating towards scholarships, achieving an accuracy of 82% and F1-score of 77%
- Implemented clustering methods such as hierarchical and k-medoids clustering to find patterns in data and improve models
- Presented findings and insights to members of the OSU Office of Advancement

Materials Innovations Project   02/2017 – 04/2017
Select Sires

- Designed and proposed an efficient method of transferring frozen straws of bull sperm to improve workflow, maintain temperature, and ensure viability
- Collaborated with teams members and presented design proposal to sponsors of Select Sires