John Carlo Maula

Columbus, OH | 614–813–7729 | johncarlomaula@gmail.com

EDUCATION

Bachelor of Science in Data Analytics, *magna cum laude* (GPA: 3.72) 08/2016 – 05/2020
The Ohio State University, Columbus, OH

- Specialization in Biomedical Informatics
- Double minor in Mathematics and Epidemiology
- **Activities:** Big Data Analytics Association, Undergraduate Research

EXPERIENCE

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

- Developed data analytics pipelines 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 from the Ohio Supercomputer Center
- Self-taught Python programming and other software packages such as BioPython and BLAST
- Collaborated extensively with other undergraduate and graduate researchers
- Conducted weekly meetings with supervisor and other researchers to discuss results of analyses

Student Painter 05/2018 – 07/2018
The Ohio State University, Columbus, OH

- Painted walls, door frames, and other various nooks in college dorms
- Developed strong communication, teamwork, and management skills while working with others

AWARDS AND HONORS

Maximus Scholarship • Battelle Scholarship (full tuition) • Veeam Scholarship in Data Analytics • Dean's List (all semesters)

COMPUTER SKILLS

Proficient: R • Python • Linux • Word • Excel • PowerPoint
Beginner: JMP • SQL • Java • C/C++ • Tableau

PROJECTS

Data Analytics Capstone Project 01/2020 – 04/2020

- Collaborated with team members on the project for the Ohio State Office of Advancement to explore and model campaign donations data
- Performed feature engineering, exploratory data analysis, and data cleansing using R
- Created predictive models such as logistic regression, random forest, and LASSO regression to model outcome
- Implemented clustering methods such as hierarchical and k-medoids clustering to find patterns in the data
- Presented findings and insights to members of the Office of Advancement

Materials Innovation Project (ENGR 2367) 02/2017 – 04/2017

- Collaborated with team members for an undergraduate student design and communication project in conjunction with Select Sires
- Designed and proposed an efficient method of transferring frozen straws of bull sperm to improve workflow
- Presented work to sponsors of Select Sires

LANGUAGES

English (fluent) • Filipino (fluent) • Spanish (beginner)

SELECT COURSES

- Statistical Modeling
- Bayesian Statistics
- Statistical Learning
- Data Mining
- Database Systems
- Visual Analytics
- Epidemiology
- Public Health
- Biostatistics
- Biomedical Informatics
- Linear Algebra
- Multivariate Calculus