**Jack Doyle**

**Cork** • [**jackodoyle66@gmail.**](mailto:jackodoyle66@gmail.)**com** • **0870965779**

**Personal Summary**

A collaborative, innovative, and highly motivated individual. Currently undertaking a Level 9 degree in Bioinformatics and Computational Biology, with an interest in pursuing a career in data analysis. Highly adaptable, curious, team-oriented, in the workplace with excellent interpersonal skills, an analytical mind, and advanced IT skills. Self-directed with an integral, detail-orientated, and approachable work ethic.

**Education**

**University College Cork | Master of Science in Bioinformatics and Computational Biology | First Class Honours**

***08/2023 – 10/2024***

**Subjects:**

Data Analysis with Linear Regression, Statistics and Probability

Python Programming for Bioscientists

SQL and Relational Databases

Dynamic Machine Learning with Open Source Infrastructure and Large Data

Computational Microbiome, Genomic and Biological Systems Analysis

**Thesis -** Development of Machine Learning Framework for Effective Application on Microbiome-Based Problems

**Trinity College Dublin | Bachelor of Arts (Moderatorship) in Biological and Biomedical Sciences – First Class Honours**

***09/2018 – 05/2022***

**Subjects:**

Statistics, Computation and Data Handling

Molecules, Cells, Organisms and Ecosystems

Microbes, Immune Systems and their Interaction

Chemistry and Physics for Biologists

Sustainability, Global Change, and Restorative Ecology

Geographical Information Systems and Vegetation Analysis

**Thesis -** Investigating legume intercropping trends and the benefit of introducing legumes as intercrops: A systematic review

**St. Peter’s College, Summerhill, Wexford**

***2012-2018***

**Employment**

**Dawn Meats | Waterford | Environmental Officer**

***06/2022 – 05/2023***

**Duties:**

* Yearlong graduate role, monitoring the daily running of Environmental Management Systems, reporting to the regional environmental manager.
* Directly managed wastewater treatment by adhering to ISO14001 regulations, ensuring proper screening, sedimentation removal and anaerobic process control. Analysis of effluent was also conducted by measuring parameters such as pH, BOD, COD, etc.
* Monitored waste management operations, ensuring compliance with EPA standards by guaranteeing timely waste collection, proper containment in designated areas, and preventing contamination of groundwater and other sensitive environments.
* Ensured compliance with ISO 50001 standards for utilities monitoring and energy management, implementing best practices to optimise energy efficiency. Conducted data analysis to assess energy demand and consumption patterns, identifying areas for improvement and cost reduction. Collaborated with cross-functional teams to implement energy-saving initiatives and drive continuous improvement in energy performance.
* Managed and improved incident reporting systems, ensuring timely documentation and thorough investigation of safety and environmental incidents, with corrective actions implemented to prevent recurrence.
* Oversaw contractor management, ensuring adherence to company policies, safety protocols, and environmental standards

**An Post**

**Postal Operative *06/2020 – 08/2020 & 06/2021 – 08/2021***

**Duties:**

* Delivery and collection of post and packages, ensuring satisfactory customer service.
* Organisation and processing of post and packages.

**Irish Country Meats**

**General Operative *06/2019 – 08/2019***

**Duties:**

* Ensuring the cleanliness and proper storage of specific meat products and to uphold quality standards of the meat products

**Professional Skills:**

* Linux Distribution
* R
* Python
* SQL
* ISO14001 and ISO50001 Implementation training
* Microsoft 365
* Full, Clean Driving License

**Additional Interests:**

* Chess
* Rock climbing
* Archery
* Kayaking

Reference available on request

See GitHub link for projects - https://github.com/JackDoyle-Code