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Léo Gorman
Doctoral Student

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Data science PhD student at the Alan Turing institute and the University of Bristol. Developing open systems and using advanced analytical methods to support international development research. As a consultant working on the RHoMIS survey, developed experience in data management, creation of dashboards, and the use of machine learning methods for scientific publication. As a PhD student, attended trainings on best practices in research software engineering, GDPR, and the use of advanced machine learning methods. Using this experience to make recommendations for open research, develop software for harmonised data collection, and link between datasets for multi-scale analysis. Experience in using and teaching multiple programming languages. Comfortable with adapting to new languages and frameworks.

SKILLS

Tools and Languages	Python, R, Git, Express, React, Ansible, MongoDB, LaTeX, MarkDown, Linux
Quantitative Research	Clustering, Hierarchical Modelling, Bayesian Methods, Geospatial Analysis
Communication	English, French (fluent speaker)

TECHNICAL EXPERIENCE

Data Science Specialist / Ask-JGI   **Jan 2022 — Present**
University of Bristol   *Bristol, UK*

- Data-science and software-engineering support for university research staff
- Communicating with researchers from different domains a wide range of technical abilities

Consultant Software Engineer / Legume SELECT   **Feb 2021 — Apr 2021**
International Livestock Research Institute   *Nairobi, Kenya*

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Consultant / RHoMIS   **Feb 2018 — Oct 2019**
International Livestock Research Institute   *Nairobi, Kenya*

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EDUCATION

Master of Arts in Mathematics, *Texas Institute of Technology & Science*	MMM 2021
Bachelor of Arts in Mathematics, *Somewhere Technical Institute*	MMM YYYY
University Fellowship, University of Motherland	YYYY — YYYY
Academic Scholarship, Some State University	YYYY — YYYY

ACTIVITIES

Training:	
Training: Introduction to Convolutional Neural Networks (CNNs)	Feb 2020
Training: Introduction to Deep Learning	Feb 2020
Training: Introduction to Multi-Level Modelling	Jan 2020
Training: Intermediate python to Python	October 2019
Training: Introduction to Python	October 2019
Training: Best practices in Research Software Engineering	October 2019
Competition (1st Prize): International Farming Data Competition	March 2018

PUBLICATIONS

van Wijk, M. Hammond, J., Gorman, L., et. al. (2020) The Rural Household Multiple Indicator Survey, data from 13,310 farm households in 21 countries. Scientific Data (46)

Hammond, J., et. al. (2020) Towards actionable farm typologies: Scaling adoption of agricultural inputs in Rwanda. Agricultural Systems (183)