

NATHAN DOYLE

Data Scientist

Currently working as a Data Scientist on the Data Analytics Unit in the Department of Agriculture, Food and the Marine. The Data Analytics Unit provide a unified view of data to provide an improved understanding of the DAFM herd population. We provide analysis in order to better target services to customers and to inform policy decisions up to the EU level.

My educational background is in computing, mathematics and statistics.

In my free time I enjoy playing card games, particularly contract bridge. I am a former member of Ireland's Junior Bridge Team with 18 international caps.

EMPLOYMENT

Present
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2019

Data Scientist

Department of Agriculture, Food & the Marine 📍 Kildare Street, Dublin

- Data analysis, creating visualisations and presenting results.
- Implementing and maintaining a shared linux server running RStudio, maintaining a shared package library.
- Technical and user support to other members of the team with R and Git.
- Developing a web app in R Shiny to allow users to access datasets from a SQL database, to view and filter the data without knowledge of R or SQL required.

2018
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2017

Maths Helproom Attendant

Dublin City University

📍 Glasnevin, Dublin

- Provide one-to-one assistance to students during drop-in hours with problems in mathematics from a wide array of programmes including business, finance, science and economics.
- Manage equipment and stationary, keep the room neat and tidy.
- Co-ordinate with other staff to ensure the needs of the students are met during busy hours.

AWARDS

2020

Public Sector Analytics Award

Analytics & AI Awards

📍 The Analytics Institute

- Farm to veterinary proximity and demographics project

IBM Future Tech Challenge

Department of Public Expenditure and Reform, IDA Ireland and Enterprise Ireland

📍 2021

- Machine Learning TB Predictive Model

CONTACT INFO

✉ nathandoyle1994@gmail.com

🐙 github.com/oduilln

☎ +353 86 224 0046

For more information, please contact me via email. References are available on request

SKILLS

Data exploration and analysis

Proficient in Microsoft Word, Excel and PowerPoint

Skilled in problem solving due to background in mathematics

Teamwork and communication developed through group projects, presentations and teaching

Fluent Irish speaker

LANGUAGES

Expert in R, C and C++

Experienced in Python, SQL and MATLAB

Parallel Processing with CUDA / MPI / OpenMP

Linux Command Line (bash / zsh)

*This resume was made with the R package **pagedown**.*

Last updated on 2022-11-03.



TEACHING EXPERIENCE

Present
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2015

Maths for STEM, Trinity Access Program

Tutor in mathematics.

📍 Trinity College Dublin

- Presenting to classes of mixed ability and mixed ages
- Correct homework and exam papers

2018
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2017

Numerical Methods, School of Mathematical Sciences

Teaching assistant.

📍 Dublin City University

- Presenting to undergraduate level classes
- Liase with lecturers on content of the course
- Running practical tutorials on MATLAB



EDUCATION

2017
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2016

Trinity College Dublin

MSc in High Performance Computing

📍 College Green, Dublin

Thesis: Communication Avoiding LU Decomposition of Dense Matrices

2016
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2012

Trinity College Dublin

BA in Mathematics

📍 College Green, Dublin

Topics: Data Analytics, Complex Analysis, Number Theory, Partial Differential Equations

2012
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2006

Coláiste Eoin

Leaving/Junior Certificate

📍 Stillorgan, Dublin