

# 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  
|  
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  
|  
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.

## OTHER QUALIFICATIONS

2019  
|  
2012

### Regional Tournament Director

Contract Bridge Association Ireland

📍 Templeogue, Dublin

- Organising structure and implementation of competitions
- Apply laws of the game and resolve disputes
- Deal with complaints from competitors
- Calculate results, allocate prize money and award the prizes to winners

2019

### Qualified Barista

Dublin Barista School

📍 South Anne Street, Dublin

- Certified by the World Barista Association
- Preparation of coffee, maintenance of equipment
- Customer service and café workflow systems

## CONTACT INFO

✉ [nathandoyle1994@gmail.com](mailto:nathandoyle1994@gmail.com)

🌐 [github.com/oduilln](https://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 2022-01-22.*



## 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  
|  
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  
|  
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