

# NATHAN DOYLE

## Data Scientist

Currently working as a Data Scientist on the Data Analytics team in the Department of Agriculture, Food and the Marine.


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.

## PROFESSIONAL EXPERIENCE

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.

2017  
|  
2018

### 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

## EDUCATION

2017  
|  
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  
|  
2006

### Coláiste Eoin

Leaving/Junior Certificate

 Stillorgan, Dublin

Core Subjects + Economics, Applied Maths, Physics, Geography, French

## CONTACT INFO

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

 [github.com/](https://github.com/)

 +353 86 224 0046

For more information, please contact me via email.

## SKILLS

Programming and development

Analytic thinking and Problem solving

Teamwork and communication

## LANGUAGES

R / C++ / Python / C / SQL / CUDA  
/ MPI / OpenMP / MATLAB / Bash

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

*Last updated on 2020-02-28.*



## TEACHING EXPERIENCE

Present  
|  
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