

# Diarmuid Brady

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## Personal Profile

Second year Data Science student striving for a first-class honors degree and currently averaging 85% across all modules. Strong problem solving skills with a keen interest in programming and working with data. Enjoy taking on new projects and learning new skills. Interest in web development.

I am an active participant and member of the DCU Rock Climbing Club and Committee where we organise trips, events and the day to day running of the club, such as weekly training.

**Languages:** Python, MySQL and R. Working knowledge of HTML and CSS.

**Tech Stack:** Experience with Git, MySQL Workbench, RStudio, Pandas, Mathplotlib, Seaborn, Sklearn, OpenRefine, Excel, Flask.

## Education

**Dublin City University**  
**B.Sc in Data Science**

**2019 - Present**

Currently studying modules including Programming, Databases and Data Warehousing, Data Mining, Data Processing and Visualisation, Calculus and Statistics.

**First Year:** Placed third in my year with an average of 85%.

### Second Year Data Mining Classification Project:

I worked on the Titanic Survivors dataset. I analysed the dataset then I coded a Decision Tree Classification algorithm to predict whether a passenger survived or not. I evaluated the results by assessing the predictive accuracy of the model.

**Tech Used:** Python, Pandas, Numpy, Mathplotlib, Seaborn, Sklearn

### Second Year Data Cleaning Project:

Tasked with cleaning, combining and processing a series of datasets of different file types which counted the footfall of people every hour in several locations over a number of years in Dublin, into one unified dataset.

**Tech Used:** Python, Pandas, Excel, Colab Notebooks, Google Maps

**Cnoc Mhuire Secondary School, Granard, Co. Longford**  
**Leaving Certificate:**

**2013-2019**  
**544 Points**

## Work Experience

**Programming Tutor at Dublin City University**

**September 2020 - Present**

- I tutor modules in Computer Programming (Python), Databases (MySQL) and Web Design (HTML and CSS) for both first and second year students.
- I assist students in working through challenges by using a systematic approach of problem solving.
- I attempt to instill quality programming practices by discussing different coding conventions and I encourage students to strive for simplicity in their programs as this often leads to greatest efficiency, readability and usability.

**General Operative at Floods Precast**

**June 2020 - September 2020**

- Preparing beds with steel, to pour concrete into.
- Tasked with operating large machinery eg. a gantry for moving necessary materials.
- Disassemble beds for removing concrete slabs for transport.

**Sales Assistant at Rapture Jack & Jones**

**Dec 2019 - Jan 2020**

- In charge of taking in and packing out large deliveries.
- Maintaining shop and clothing presentations standards
- Assisting customers in the process and purchasing items and serving customers at checkout

**Grinds teacher**

**Sept 2019 – Present**

- Providing Leaving & Junior Cert grinds to students in the subjects Maths, Technical Graphics.

- Teaching students the necessary skills to excel in their exams as well as helping them to understand the underlying concepts of the subject.
- Advertising grinds using ad campaigns through Facebook and Instagram page: grinds\_jc.lc

#### **Camp Leader in Lus Na Gréine Family Resource Centre**

**June 2019 – July 2019**

- Tasked with supervising over 30 children at a time, teaching cooking skills, organising problem solving games and taking charge of other fun learning activities.

#### **General Operative at Dunphy's SuperValu**

**Jan 2017 – Aug 2018**

- In charge of stacking shelves with fresh produce in the Fruit & Veg and Dairy aisles.
- Tasked with providing management with reports and carrying out general cleaning and maintenance cleaning.
- Trusted with opening the shop and locking up at closing hours.

#### **General Operative at Moulding Technology (TY Experience)**

**Sept 2019 – Oct 2019**

- Tasked with operating Injection Moulding Machinery.
- In charge of stripping down and cleaning mould after machine use in order to maintain machine integrity

### **Awards and Achievements**

- Placed 3rd in my course in my first year studying Data Science.
- Recipient of Cnoc Mhuire award for excellence in leaving cert (544 points).
- Attained full attendance in Leaving Cert year 2018-2019 showcasing excellent punctuality.
- Recipient of student mentor award in leaving cert year for mentoring a small group of 1st year students and helping them settle into life at secondary school.
- Participated in the All-Ireland Junior Maths Competition.
- Longford Minor Division 2 Championship Final Winner with Northern Gaels 2017.

### **Interests and Hobbies**

- Strong interest in Hackathons - Attended Hacktoberfest in DCU. Looking to improve coding skills and attend further hackathons in the future.
- Member of Redbrick Society - We have discussed areas such as AWS and machine learning and have had guest speakers from different companies talking about the tech stack they use and how they handle data.
- Actively involved in the Rock Climbing Club in DCU.
- Hobbies include calisthenics, rock climbing, gymnastics as well as reading books and listening to podcasts on topics such as self development, philosophy and psychology.