

# Eoin Cotter

**Phone Number:** +61 434 444 254 **Email:** eoinwcotter@gmail.com

**Citizenship:** Irish **Australian Visa:** Working Holiday (valid until 14/01/2024)

## EMPLOYMENT HISTORY

### **Data Analyst (Temporary), Anixter, Melbourne** 2023

- Liaised with HR professionals across three subsidiaries to source accurate payroll data.
- Joined, cleaned, and transformed large HR datasets in Excel.
- Produced summary statistics for gender equality compliance reporting using Excel Pivot Tables.
- Reviewed and reported on organisation-wide formal policy documents related to gender equality.

### **Data Analyst (Temporary), Australasian Talent Conference, Melbourne** 2023

- Cleaned and prepared a large survey dataset related to talent acquisition.
- Conducted univariate and bivariate analysis in Excel using Pivot Tables and Pivot Charts.
- Provided written and verbal reports of insights and trends related to the talent industry.

### **Data Analysis Research Assistant, University College Dublin CBS Lab** 2021 – 2022

- Cleaned and transformed a large experimental psychology research dataset.
- Performed inferential statistics (t-test, ANOVA, correlation analysis) using SPSS.
- Reported the results and provided discussion as co-lead author of the research paper published in an international psychology journal:  
<https://www.sciencedirect.com/science/article/pii/S221214472200093X>
- Collected observational data according to strict guidelines on children's performance during cognitive tasks.

### **Computing Assistant, IT Services, University of Galway, Ireland** 2021 – 2022

- Provided face-to-face, phone, and email IT support for staff and students at the university.
- Main tasks included granting access to software, troubleshooting network issues, and providing instruction on the basics of operating systems and university software.
- Taught weekly online Excel training sessions.

### **Chatbot Developer & Data Analyst, Infineon Technologies, Dublin, Ireland** 2019 – 2020

- Sole developer of a .NET chatbot which was deployed globally to provide employees with efficient access to the company's supply chain information.
- Provided demonstration and support sessions for over 300 employees across North America, Europe, and Asia.
- Wrote detailed documentation and trained a non-technical manager in chatbot up-keep.
- Developed a Tableau dashboard to support supply chain decision making.
- **Tools used:** MS Azure Cloud Services (Bot Service, QnA Maker, LUIS), Bot Framework SDK for .NET (C#), SQL, Tableau.

### **Teaching Assistant, Business Analytics, University College Dublin, Ireland** 2019

- Conducted tutorials for 150 students per week for an undergraduate business analytics module.
- Taught theory and practical implementation (in Excel) of various statistical and computational techniques: regression, classification, clustering, time-series analysis and linear programming.
- Worked alongside UCD's Business eLearning team to create interactive digital tutorials which are now used as a teaching resource each year.

### **Transactions Advisory Services Intern, EY, Dublin, Ireland** 2016 - 2017

- Member of a small team responsible for administering individual and corporate Receiverships.
- Prepared and presented Estimated Outcome Statements to clients upon offers for asset purchases.
- Used MS Office 365 tools daily.

## EDUCATION

### Higher Diploma in Psychology (1<sup>st</sup> class honours – 77/100)

2020 - 2022

University of Galway, Galway, Ireland.

- Research-focused diploma, modules combined psychology theory and research methods.
- Achieved the highest thesis grade (82/100) out of the graduating class of 65 students.
- Thesis is currently undergoing revisions to be published in an international psychology journal.
- Thesis data cleaning, transformation, and analysis were performed in R: [osf.io/zs7qt](https://osf.io/zs7qt)

### Master of Science in Business Analytics (1<sup>st</sup> class honours - 3.88/4.2 GPA) 2018 - 2019

UCD Michael Smurfit Graduate Business School, Dublin, Ireland.

- Awarded Full Scholarship by the Next Generation DatSci Awards.
- **Thesis:** Process Mining Event Log Data in Healthcare (using R).
- **Relevant modules:** Programming (Python); Data Management (SQL); Data Mining (R); Machine Learning (R); Advanced Operations Research (Mosel); Business Intelligence and Visual Analytics (Tableau); Statistics and Simulation Methods (R); Metaheuristics (Python).

### Bachelor of Commerce (1<sup>st</sup> class honours – 3.73/4.2 GPA)

2014 - 2018

University College Dublin, Belfield, Dublin, Ireland.

- Specialised in Management Information Systems.
- **Relevant modules:** ICT in Business; Information Management; Advanced Web Development; Computational Modelling; Analytical Modelling; Business Analytics Project.

## IT SKILLS

- Advanced Excel for data preparation, analysis, and reporting
- Python and R for programming and data science
- Intermediate SQL for data manipulation
- Tableau for dashboards and business intelligence
- .NET web app development with C#
- Web development with HTML and CSS
- SPSS for research data analysis
- MS Office 365 in corporate and academic environments
- Mosel/FICO Xpress for modelling and operations research
- C Programming for the Internet of Things with Arduino