

SEAN

MCCROSSAN

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Profile

Dynamic and results-oriented data scientist with a proven track record of leveraging data analytics and machine learning to drive strategic growth and operational efficiency. Eager to contribute to your company's success by transforming complex data into actionable insights and innovative solutions. Passionate about leading and nurturing teams to foster a data-driven culture and achieve exceptional results. Committed to continuous learning and leadership development to spearhead data science initiatives and drive technological innovation.

S kills Matrix		
Theory	Programming & Technical	Soft
Data Engineering. ETL, Dimensional Modeling, Kimball	Python and R Programming	Domain Knowledge in Tax, Finance and HR.
Statistical Analysis. Descriptive and Predictive.	SQL	Leading a Scrum
Machine and Deep Learning	D3 with node JS	Written and verbal communication
Data Visualization. Storytelling with data and dashboards.	Dev Ops	Teamwork and Leadership
Product management	No code tools, Tableau, Power BI, Orange and Alteryx.	Presentations

Education

Technological University Dublin – Computer Science With Data Science MSc, 2024, First

Key Modules and Grades

- Team Project (1)
 - Working With Data (1)
 - Probability and Statistical Inference (1)
- Problem Solving (1)
 - Deep Learning (1)
 - Data Visualization (1)
- Machine Learning (II.1)
 - Research (1)

Trinity College Dublin – MSISS BSc, 2016, II.1

Key Modules and Grades

- Regression (II.1)
 - Statistical Analysis (II.1)
 - Engineering Mathematics (II.1)
 - Research Methods (II.1)
- Applied Probability (1)
 - Data Analytics (II.1)
 - Information Systems (II.1)
- Multivariate Analysis (II.1)
 - Management Science (1)

Experience

Workday, Prague, Czech Republic

Data scientist/Sep 2019 - 2022

Data scientist on the Analytics Architecture team for People Analytics. People analytics is an analytics product powered by augmented analytics which surfaces key insights into a company's employee data.

Key responsibilities include:

- Content design (Creating new business questions and metrics)
- Maintain primary ETL pipeline and natural language generation.
- Liaise between PM's and developers to deliver new functionality.
- Identify and solve user issues.

Achievements include:

- Designed and developed a data quality solution which decreased implementation time and increased quality stories surfaced by people analytics.
- Designed and developed the primary ETL pipeline for people analytics.

Ernst and Young (EY), Dublin, Ireland

Senior Analytics Consultant/Sep 2016 – Aug 2019

Joined EY as a graduate working for the analytics team. Promoted each year and thought highly of by management. Worked on a variety of analytics projects such as analytics reporting for Global Trade, automation of payroll and automation of VAT reporting using machine learning techniques. Achievements included.

- Built an AI solution that automated VAT reporting by assigning product tax codes based on product description.
- Primary developer on a solution that ingested payroll data and automated pay slip generation, saving 100's of working hours over the year.

Extra-Curricular

Volunteer, SVP, 2014 - 2019

Treasurer and volunteer for the Gardiner Street branch of Saint Vincent de Paul. Did home visits for people struggling with various issues.

GAA Player, Prague Hibernians, 2019 - 2022

Active among the Irish community in Prague.