

Mark O’Gara

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Summary.

Profile I am a business intelligence data analyst with an expertise in visualisation design, data modelling and machine learning using predictive and classification algorithms. I have extensive design and consultancy experience with highly developed client problem-solving skills and a strong business acumen. I work as part of Glanbia’s BI team, transforming data into insight to help drive business decision making.

Education.

2013—2014 Higher Diploma in Computing (Specialising in Data Analytics) (1.1 Hons)

Dublin Institute of Technology School of Computing, Kevin Street, Dublin 8.

Modules Data Analytics, Probability & Statistical Inference, Advanced Databases, OO Software Development, Systems Analysis & Testing, Information Systems, Web Development & UI Design, OS & Networks.

Awards DIT School of Computing ‘Best Higher Diploma in Computing Dissertation’ (Zynga Prize, 2014).

Dissertation ‘Probable outcomes in Indian Premier League T20 cricket matches’ - wrote custom web scraping modules in Python to extract observations from hundreds of distinct URLs. Carried out statistical analysis, PCA, data sub-setting, data visualization and classification modelling using R and ggplot2.

1992—1998 Degree & Diploma in Architecture - Dip.Arch.B.Arch.Sc. (Hons), MRIAI

Trinity College Dublin & Dublin Institute of Technology, Bolton Street, Dublin 1.

Modules Computing, Design Studio, Design Technology, Contract Law, Urban Design, Engineering, Economics & Cost Control, Professional Practice, Civilisation Studies.

Affiliations Member of the RIAI, the National Register of Architects, and the Teaching Council of Ireland.

Experience.

Jun.’14—Present Business Intelligence Data Analyst - Glanbia. Global Technology Centre, Dublin Road, Kilkenny.

- Cleaned and analysed multiple years of POS data from a Performance Nutrition B2C retail chain partner worth c. \$200m p/a across multiple SKU’s using R. Developed a series of Tableau dashboards to communicate patterns, trends and insight to senior stakeholders, resulting in the appointment of PN as a ‘Category Captain’ advisor for another major B2C retail chain in North America. I received a Customers’ Champion award from Glanbia PLC in April 2016 for my work on this project, which we are expanding with Performance Nutrition to incorporate other territories.
- Modelled Consumer Foods & Glanbia Ingredients’ milk collection network over multiple years using R and Tibco Spotfire, identifying a c. €500k p/a saving by matching optimised suppliers (based on historical milk constituent profiles) with production facilities at non volume critical times of the year.
- Cleaned and analysed multiple years of Glanbia Ingredients Ireland SAP QM, MM and PA data using R to accurately measure ‘right first time’. Developed a series of dashboards in Tableau to model GII’s production capability and demonstrate both the impact of seasonality on raw material, and the variance in probability of achieving customer specifications as a production season progresses.
- Worked as part of a team to analyse stock adjustment patterns for a range of Glanbia dairy SKUs using clustering and regression analysis in R. Production changes made as a result of this analysis reduced Glanbia’s out-of date stock loss by over 50% at two sites, and helped to initiate a MES linked stock adjustment count. This project was a finalist at the ECR Supply Chain awards in October 2015.

- Worked as part of a team to model SLA compliance for Customised Solutions (US). Extracted perfect order index data to train, test & validate a logistic regression classification model that predicted late deliveries with 50% accuracy, based only on variables known at the time of order creation.

Mar.—Jun.'14 **Software Developer (Internship) - Riffstation.** *Dogpatch Labs, Dublin 2.*

- Worked as part of a software development team using an agile methodology to code JavaScript modules integrating client-side interactions with server-side JSON. Defined use-cases, developed paper and digital prototypes, and assessed UI patterns for a web version of existing desktop software.

Sep.'09—Jan.'13 **Adult Education Teacher - Laois/Offaly Education & Training Board.** *Portlaoise, Co. Laois.*

- Taught modules in Databases, Spreadsheets, AutoCAD and Desktop Publishing. Managed a SalesPulse CRM database, rationalising data input for staff. Carried out energy audits using SEAI's DEAP software.

Mar.'09—Jan.'13 **Owner, Director - O'Gara Architects.** *Portarlington, Co. Laois.*

- Member of the RIAI and the National Register of Architects. Responsible for the design, execution and management of a range of work, including all financial, client and contract administration.

Mar.'04—Mar.'09 **Associate, Senior Project Architect - Cooney Architects.** *32 The Coombe, Dublin 8.*

- Project design team lead, responsible for managing multi-million Euro works from inception to completion, analysing policy and legislation, managing clients, and administering building contracts.

Feb.'02—Feb.'04 **Architect - Architecture Studio.** *75012 Paris, France.*

- Member of competition winning project design teams for the Onassis Cultural Centre (in Athens, Greece) and a multi-modal transport and development corridor (in Mecca, Saudi Arabia).

Aug.'99—Jan.'02 **Architect - Marcel Breuer Associates.** *75003 Paris, France.*

Jul.'98—Aug.'99 **Architect - Keane Murphy Duff Architects.** *South City Quay, Dublin 2.*

Abilities.

Management Demonstrable leadership track record in client-facing roles managing multi-million euro projects in the private and public sectors. Enjoy working as part of a team while mentoring the development of junior team members by adopting an inclusive approach to decision making.

Communication Confident, articulate presenter with excellent oral and written communication skills, developed through the preparation and delivery of material to project stakeholders, managers, clients and students.

Software Extensive experience developing with Tableau, Tibco Spotfire, SAP BW, SAP Business Objects (WebI), SAP BEx Analyzer, SAP Query Designer, Excel, Adobe CS and AutoCAD for real world applications.

Languages R, Python, SQL, JavaScript, d3.js, HTML, CSS. Fluent in French, studied German to Leaving Certificate higher level. Lived in Paris from 1999—2004, and in Berlin from 1995—1996.

Design A .pdf portfolio of my design work is available at <http://markogara.ie/portfolio.pdf>

References.

Joe Cunningham. Chief Executive Officer, Laois & Offaly ETB. Ridge Road, Portlaoise, Co. Laois.

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