

# Vincent Wynne

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## Profile:

- Data analytics covers a broad spectrum. I am interested in all areas of **Data Analysis**. I am keen to work in a fast changing environment where I know that I will be constantly challenged to make a difference to the company I work for.
- Degree in Computer Science from TCD and a Masters in Data Analytics from NCIRL. I have strong analytical, problem solving and trouble shooting skills.
- Self-driven and motivated and a proven ability to learn new technologies quickly and record of accomplishment of going the extra mile to support users and projects.
- Strong Project management and client relationship management experience. I have completed the Masters Degree in Data Analytics in order to transition into a career in Data Science.

## Technology Skills:

- **Python, R, MySQL, Microsoft SQL Server. Deep Neural Networks .VBA and Advanced Excel , Elastic LogStash and Kibana, IBM SBSS, SSAS, SSIS, SSRS, Rapid Miner, Tableau.** Are the tools with which I have become very proficient
- **Databases, File systems:** Proficient in Database Systems including **MSSQL, MySQL, Microsoft Dynamics and Salesforce CRM**. Explored and assessed the No SQL Databases (**Cassandra, Mango DB**).
- **Operating Systems:** Gained in depth knowledge of operating systems and have administered windows Server systems and Ubuntu Linux Systems.
- **Vast Experience:** SQL Server, Linux, x86 based Servers, Access, VBA, Cloud Computing **Microsoft MCSE (1997) Cisco CCNA (1998) CNE Novell 3.11, 4. ISTQB QA(2017).**

## Methodologies:

Machine Learning	Artificial Neural Networks and Deep Learning
<ul style="list-style-type: none"><li>• Support Vector Machines</li><li>• Naïve Bayes</li><li>• Decision Trees</li><li>• Random Decision Forest</li><li>• Clustering - K – Means</li><li>• Linear Regression</li><li>• Logistic Regression</li><li>• Anova</li><li>• Manova</li></ul>	<ul style="list-style-type: none"><li>• Convolutional Neural Networks (CNN)</li><li>• Gated Recurrent Units (GRU)</li><li>• Recursive Neural Nets (RNN)</li><li>• Long-Short Term Memory (LSTM)</li></ul>

## Education:



### **2016 - 2017 | National College of Ireland | MSc in Data Analytics.**

- Advanced Data Mining. Neural Networks. Deep Learning, LSTM, GRU, RNNs. SVM, NLP, Bayesian Methods
- Statistics for Data Analytics . Distributions, Variance, Linear / Logistic Regression ANOVA, MANOVA
- Analytical CRM. Sales Force, Microsoft Dynamics
- Data Storage and Management. Ubuntu
- Data Warehousing and Business Intelligence. MSSQL SSIS, SSAS and SSRS.
- Data Visualization. Tableau. Advanced Excel. Python, R, SSRS.
- Strategic ICT & eBusiness Implementation
- Research in Computing. Deep Learning Networks. Recurrent Neural Networks. LSTM, Gated recurrent Units.

## **Final Project**

Deep Learning with Argumentation Mining (NLP). Python, R. Gated Recurrent Units, LSTM

## **Advanced Data Mining Project:**

Time Series investigation on North Atlantic Oscillation Statistics for Climate Change.

**Technologies Used:** R(Arima Model), SBSS, Weka, Tableau.

## **Data Warehouse and Business Intelligence project:**

An healthcare Investors data warehouse which gathered data from four sources, structured and unstructured and combined to show correlation between Medicare penalties and fines database, social media and Nasdaq stock values.

**Technologies Used:** R, MSSQL, SSAS, SSIS SSRS and RESTful API.

## **Data Visualization project:**

Time Series investigating Trend and Seasonality of certain crimes in Ireland.

**Technologies Used:** R(Holt Winters Model) , Tableau

## **Strategic ICT & eBusiness Implementation Project:**

Built a complete cloud system for a Nursing home organization with patient records, account balances and HR Webpage

**Technologies Used:** Salesforce CRM. R.

## **Data Storage and Management Project:**

Compared Mongo DB with MySQL Databases under the headings of performance, availability, reliability.

**Technologies Used:** Ubuntu 14.5, Git Hub YCSB, Excel.

## **Research in Computing Project:**

Investigation of algorithms used for Argumentation Mining

**Technologies Used:** Latex



## Work Experience

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### Career History and Accomplishments

#### Data Analyst (Contractor)



#### September 2018 — Present

- Master Data Analyst
- Pharma Serialization
- Data Mining – Hierarchical Clustering, ANOVA, Linear Regression , Logistic Regression, Random Forrest
- Times Series - Arima
- Data Visualization. Reporting. BI.
- DB Design.

The goal of this project is to monitor and improve the Serialization of Pharmaceutical medicines around the globe. I have been given data from 19 (affiliate) countries within the EU. Each with their own methodologies for serialization. My goal is to monitor their serialization progress and establish the factors that contribute to the success of their projects. The project will be rolled out to Canada, US, Russia and India based on the findings.

#### Tools Used:

MSSQL, R, Python, Tableau



## **Recent Projects:**

### **January – August 2018 Aviva PLC.**

Role: Data QA Analyst

Responsibilities:

- Data Testing.
- Analysis of Tests.
- Reporting of Analysis
- Provide BI to stakeholders.
- Workflow Design.
- QA Design. Advanced Excel

The Goal of this project was to provide insights for the QA team on areas where testing should be concentrated. The testing data provided results of tests on a geo based commercial insurance quotation and policy application. Areas of interest were those in which tests had failed frequently, or never passed at all. Efforts could be concentrated on those areas to discover software bugs and therefor provide a better quality application for the underwriters.

### **Tools Used:**

- Advanced Excel
  - Python
  - Tableau
  - MySQL
  - PowerShell
  - Visio
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## **November 17 – January 2018 VHI Healthcare**

Role: Data Analyst

Responsibilities:

- Time Series. Investigate Trends involving Passed / Failed tests over time.
- Analysis of Cases Never Passed.
- Analysis of cases Never Failed.
- Functional Clustering. Predictive analysis using association rules to determine whether the outcome of one result can be predetermined by the outcome of one or a combination of others. R programming.
- By test case – pass / fail analysis over time (manual and automated). R Programming.
- Automated vs Manual defects and Defect Closure Period analysis.
- Functional vs Other defects. Time Series Comparison of functional vs Usability
- Performance.
- Defect Analysis.

The goal of this project was two-fold. Provide insights for the QA team regarding testing concentration and QA individuals. As with the role in Aviva, Analysis showed the areas of the policy application – constantly under development which were poorly addressed by QA. The second element to the analyses was more sensitive and focused on individuals in the QA team. For example tests marked passed by individuals which should have highlighted bugs in production data.

Tools Used:

- Splunk.
  - SQL Server
  - SQL Server Analysis Services
  - SQL Server Integration Services.
  - Advanced Excel
  - R, Python
  - Tableau
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## Jan 17 – November 17 State Street Investment Bank.

Role: Data Analyst - VBA Developer.

Responsibilities:

- Automate Business Change Request creation, currently word docs / submitted to mailbox. Automate Resource Allocation and Forecasting – tracking 200 + headcount in various roles / locations.
- Forecasting project work assigned, tracking gaps, availability vs Demand. Disparate tracking across multiple spreadsheets creating single view as the output.
- Graphical data for management.
- Reporting – automate data extraction from multiple sources.
- Automate updates to PowerPoint decks.
- Create improved MIS with less duplication of data in multiple locations.
- Track Actuals from the Resource Allocation' back to estimates. Excel.
- Create a single repository for all High Level Estimates to be stored and tracked. VBA / Excel.

The goal of this project was assist the PMO in identifying where ~ 200 resources were working, their availability and statistics on capacity / resources. The initial brief was to consolidate countless spreadsheets into a central repository that could be used to locate and compile reports on PMO resources. I quickly identified that this could not be done with advanced Excel alone. I used Visual Basic for Applications to create forms with the central DB stored in Excel. This was primarily a development role. For reporting, I used Tableau.

Tools Used:

- Visual Basic for Applications
- Advanced Excel
- Tableau

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## 2016

### Data Projects

Company Name	Description	Tools
EPM Group	Designed Backend SQL for Easy Property Manager APP	MySQL ,Excel
Raphael's Manor Hotel	Migrated Excel repository to MySQL. Guests DB.	Excel, MySQL
Lamdex Limited	Setup PowerPoint Decks for reporting from Access	Excel, Access
Ecoads Limited	Data Preparation - cleansing	Excel
Lumpure Limited	Data Cleansing	Excel

## 2014 – 2015

### IT projects

- Diacom – Network Installations
- Killeen GC – Network administration, Installations

### Note:

During this period, I had many short contracts. The work included developing a database for Killeen Golf Club. Some Network installations for Diacom. I made a decision in 2014 that my concentration would be devoted to data projects for 2015 and thereafter. I completed my first data project for Raphael's Manor Hotel where I converted an excel database to MySQL with reporting provided by Excel.

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It manager – Pearse Trust Limited  
IT Director – TechNiche Limited  
IT Director – Moss Technology Limited

2009 – 2013  
2003 – 2009  
1991 - 2003

### Recent References

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Principle Business Analyst State Street Investment Bank  
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