

Ben Fagan

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WORK EXPERIENCE

Dublin Business School, Dublin

Lecturer

August 2018 – present

- Taught introductory programming in Python & R and Introduction to Statistics to class of 20.
- Organised and devised coursework and exams for students.
- Delivered several lectures on Git, Cloud (GCP and AWS) to Computing Society.
- Effectively managed administrative duties.

AIB, Dublin

Data Scientist

March 2018 – present

- Engineered and developed models for liquidity and cashflow reporting.
- Automated numerous small tasks to improve efficiency. Developed and maintained new scripts. Python, VBA and SQL.
- Worked in close conjunction with several business teams across finance section of bank to produce new reports to tight deadlines.
- Led technical effort behind 20 million euro project streamlining data integration.
- Assisted in implementation of revised scripts, reports and procedures regarding COVID-19 loan moratoriums. Commended for quickness and efficiency of changes.
- Designed Bayesian network analysis to optimize server usage by finding interdependent processes across multiple machines. Led to 10% improvement in energy efficiency.
- Representative for section on research team. Investigated use cases for automation and machine learning towards augmenting existing services and finding new opportunities.
- Mentored graduate students on various features of the business and technical aspects.
- Performed analysis in troubleshooting of distributed systems.
- Delivered presentations on a variety of subjects internally.

Brickendon Consulting, Dublin

Software Developer/Consultant

November 2017 – April 2018

- Lead team of 4 developers.
- Automated tasks to free resources for other work.
- Assisted in construction of a VBA-like language for use by business teams.
- Co-ordinated with multiple business teams to prioritize work on a remediation project, updating macros, queries and scripts. Cut one team's runtime for daily scripts by 40%
- Led and provided training in automation and development using Python and VBA to selected members of business teams. Received official commendation for efforts.

Greenval Insurance/BNP Paribas, IFSC, Dublin,

Data Analyst/Developer

October 2016 – November 2017

- Implemented and streamlined reporting procedures through automation of tasks and reports.
- Established a statistical tool to detect incorrectly formatted data. Reduced time spent on data correction by roughly 80%.
- Developed a text mining and clustering system for detecting fraud cases among document notes. Uncovered 1 million euro in fraud in one instance.
- Worked as part of a team to deliver reports and data to different business units.

EDUCATION

Dublin Business School

April – October 2016

Diploma in science of Data Analytics

Grade: Upper Second-Class Honors (2.1)

Founder and Chairperson of Data Analytics Society (now DBS Computing Society).

University College Dublin

September 2012 – 2013

M.A. History

Grade: Upper Second-Class Honors (2.1)

Thesis: Photography and the Plan of Campaign in Ireland: 1886-91

Part of Netsoc and History Societies.

University College Dublin

September 2009 – 2012

B.A. Arts (History & English)

Grade: Upper Second-Class Honors (2.1)

Part of Netsoc and History Societies.

KEY SKILLS / INTERESTS & ACHIEVEMENTS

Project & Process Management:

Effectively managed the design and implementation of numerous programs and scripts in multiple projects at AIB. Set priorities and liaised with a dozen business teams as team lead with Brickendon. Created and managed content of courses taught at Dublin Business school.

Leadership Experience:

Successfully led team of 4 developers for Brickendon Consulting as part of a multi-million euro project to rebuild and secure macros, scripts etc. used by business teams for a client. Led technical implementation of major 20 million project to simplify data integration from multiple sources. Also mentored students in lecturer role at Dublin Business School and AIB.

Tools:

Made use of Python, VBA, SQL for diverse projects ranging in scope from reports for business teams to major data integration from multiple distributed sources. Adopted Scala to compile case studies for students at Dublin Business School. Made use of Tensorflow and GCP for cluster detection/machine learning.

Distributed Computing:

Worked with multiple data intensive processes and distributed systems. Made use of Google Cloud (GCP) and Amazon Web Services (AWS) as well as custom Linux servers.

Other:

Proficient: Python, SQL, VBA, Linux/Unix and Git.

Familiar: C++, Go, MATLAB/Octave, Spark, AWS, GCP, Tensorflow and Docker.

I have also researched and written about various historical events for several journals/newspapers. I am looking to publish my first book, The Quiet County: Wicklow 1912-24 later this year as well as pursue a part-time Masters in Computer Science at UCD.

References available upon request