



# Calvin Wright

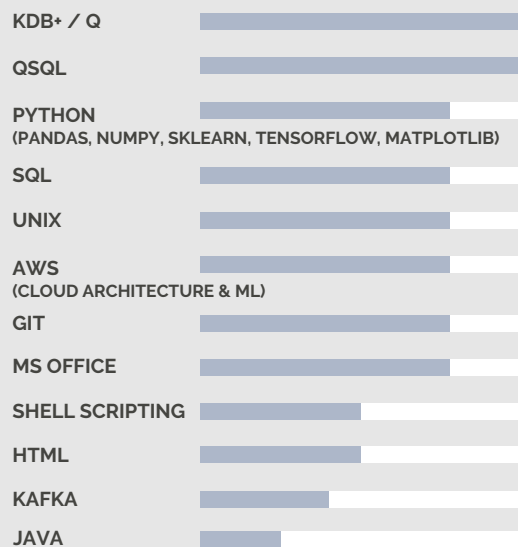
## DATA SCIENTIST

I've always been motivated and enjoyed a challenge. With a strong background and diverse skill set in analytical thinking, I'm confident in the creative solutions I bring to projects.

As well as being hardworking, I have great interpersonal skills and I am a good team player.

I believe in continuous learning and am looking for an opportunity where I can develop while my experience and skills will be a great asset to any data team.

## SKILLS



## HOBBIES/INTERESTS

Chess. Poker. Marathon & Trail Running.  
Football. Jujitsu. Languages.

## CONTACT

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## EDUCATION

UNIVERSITY OF COLLEGE DUBLIN

2013- 2017

### Bachelors of Actuarial Financial Science

Risk Management, Financial Economics, Actuarial Statistics (statistical distributions, likelihood functions), Actuarial Maths (loan repayment calculations, mortality rate calculations), Linear Algebra, Probability Theory, Stochastic Processes, Data Analyses, Game Theory, Programming.

## EXPERIENCE

FIRST DERIVATIVES, IRELAND

June 2017 - present

Lead Developer, Leading Semiconductor Manufacturers

Jun 2019 – Present | Seoul, South Korea

- Worked on POC projects for 2 major semiconductor manufacturers to generate a system that can ingest the extreme levels (multiple TB/day) of output generated by their fabs
- Designed schemas, wrote ingestion/query logic that works intelligently together to optimize throughput of data while simultaneously providing the end-user with enhanced performance
- Improved query time by magnitudes of up to 106x (357 seconds to under 3.4 seconds) for customers' engineers to operate in a fault tolerant environment.
- Worked on high availability architecture to ensure the product was capable of withstanding complete process, hardware, network and power failures without downtime on the system

Resident Consultant, Major International Investment Bank

Aug 2017 – Present | New York, London, Seoul

- In charge of designing a real-time eFX solution from start and successfully launched the product
- Designed the DB and process architecture, writing high-performance code, UI design
- Regular meetings with clients for feedback and implement changes to the solution accordingly
- Worked under high-pressure scenarios of the trading industry to maintain a system that connected client's internal applications to Bloomberg for real-time equity trading
- Transaction Cost Analysis (TCA) on trade data to find what variables of a trade correlated with the size of the change in the price of the instrument – the results were directly used in designing the companies best execution algos

### Other Notable Projects

- Financial markets fraud detection (Newry, Ireland | Jun – Aug 2017)
- Gaming industry analytics (Newry, Ireland | Jun – Aug 2017)
- Location tracking (Seoul, Korea | Jan – Mar 2021)

WILLIS TOWERS WATSON, IRELAND

Jan - Aug 2016

Actuarial intern

I was honoured to carry out my internship at Willis Towers Watson and had responsibilities such as examining and correcting large data sets using Excel and VBA, calculating pension payments, aggregating financial data and creating presentations on price movements and trend analysis.

## CERTIFICATES/AWARDS/ACHIEVEMENTS

- AWS Machine Learning Specialist Certified 2022
- AWS Solution Architect Associate Certified - 2020
- Machine Learning Nano Degree – Udacity 2019
- Entrance Award to UCD, given to the top 1% of new students each year
- Founding member/volunteer at the local Coder Dojo, teaching kids