# **Curriculum Vitae**

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| Name: | Alexander Scott |  |
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| Email: | alexzndrscott@gmail.com |  |
| Location: | Greenwich, London, England |  |
| Git Account: | [Git](https://github.com/alexkotsscott) |  |
| Personal Webpage: | [Athena](https://saskotenko.wixsite.com/kotenko) |  |

## **Key Skills:**

Honest Blue Sky thinker with a wealth of experience having worked in small, medium and big sized insurance companies. And MSC experience in the Energy sector

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| Subject | Strengths |
| Programming | * R/Python & PySpark & SQL * Jupyter Notebooks * DataBricks * Azure Data Factory / Azure ML – Azure ecosystem MSSQL Server * Tableau, Looker, Power BI * Comfortable in Linux, Macs & PCs |
| Machine Learning | Lots of experience all over from Basics through to Neural Networks |
| Visualizations | * Maps - From geocoding addresses to shapefiles * Tableau/Looker/PowerBi * Plotly (In R / Python) |
| Cloud Platforms | * Azure * AWS * Custom Built platforms built on Linux based servers |
| Insurance | * Exposure to * Motor & Home big data (AXA) * Property & Casualty Llyods globally (Carbon) * Travel, Pet & Gadget (ERGO) * Radar, motor, big data (Markerstudy) |

## **Personal Project:**

Website is [Athena](https://saskotenko.wixsite.com/kotenko) (Name subject to change)

At the moment it’s bringing about my knowledge from my professional experience and trying to build a space with like minded individuals to explore various platforms, data types, softwares etc. Planning to bring all of this together in October in the form of a data summit with guests who are graduating this year, friends, and business working in the low code / no code sphere based in the US

## **Work History:**

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| **Date** | **Job Title:** | **Data Scientist** |
| September 2022 | **Location:** | Haywards Heath |
| To March 2023 | **Company:** | **Marker Study** |
|  | **Role:** | Senior Analyst / Data Scientist   * Databricks * Radar * Python * R * Conversion Models * GBMs * Automation |
|  | **Key Deliveries** | * Daily Automation – Scheduling jobs via DataBricks – CLI – Python – Radar Back Push back to DataBricks (For market insight & further use in PowerBi) * Modelling – Risk Severity, Frequency & Conversion (Motor market) - Mix of Radar & Python * Hyperparameter tuning insights * Ad Hoc support |
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| **Date** | **Job Title:** | **Data Scientist** |
| March 2021 | **Location:** | City of London |
| To September 2022 | **Company:** | **ERGO Insurance** |
|  | **Role:** | * Migrating legacy data for clients to new MS ecosystem (Shift from SFTP and Emails) * Data Architecture – ADF pipelines * Conversion Models – GBMs (Python) * Web Scrapping * Data Analysis * Shapefiles – for Map building in R |
|  | **Key Deliveries** | * Client migration from SFTP & Emails to Sharepoint for claims and sales data * Assist in the set up of the new Azure Ecosystem – Mainly Synapse, ADF and Azure ML * Creating Web scrapers for comparison websites such as MSM and GoCompare to deliver to the pricing team to give insight on our prices against the market * Exploring Geospatial data for high risk areas in Travel – using open source data and using R to create maps to highlight these |
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| **Date** | **Job Title:** | **Contracted Pricing Analyst / Data Sophistication Advise** |
| November 2020 | **Location:** | City of London |
| To February 2021 | **Company:** | **Carbon Underwriting / Graphene** |
|  | **Role:** | * Focus on building up data from   + Data architecture   + Maps and Machine Learning (ML)   + Triangulations |
|  | **Key Deliveries** | * MI migration from PowerBI to Looker for external and internal stakeholders * Creating Looker dashboards * Migration to Azure for the data architecture * Exploring other solutions for insurance claims Triangles (Python based) * Earthquake data in Italy and Canada mapped to provide insight to high risk areas (Written in R and Looker) |

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| **Date** | **Job Title:** | **Optimization Pricing Analyst** |
| March 2017 | **Location:** | City of London |
| November 2020 | **Company:** | **AXA Insurance (Intermediary & Direct)** |
|  | **Role:** | * Optimization Pricing Analysis * London, England * Multi data driven tasks with a focus in ML |
|  | **Key Deliveries** | * Migration from an internal cloud based system (Linux) towards Azure to support a heavier data load * Resourcing big data in a concise form to internal stake holders (60 Million quotes daily in the motor market reached AXA) * Research into alternative pricing models – a move away from Towers Watson to open source tools such as R and Python to generate conversion models more effectively * Generating Maps for the Housing insurance team to identify risks by region (written in R Script) * Delivered a talk in Paris on Bayesian Optimization (as an alternative to grid search) to the wider global AXA Data teams |

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| **Date** | **Job Title:** | **Data Analyst** |
| May 2015 To | **Location:** | City of London |
| February 2017 | **Company:** | **Which?** |
|  | **Main Role:** | * Data analysis / Exploration for various teams   + University/Care homes/Birth centers |
|  | **Key Deliveries** | * Scraping data for University and NHS websites for the team to perform analysis – example the NHS standards of various trusts and care homes. * Mapping in R to show regions based on various metrics * Lead a Data Dive project in Bristol to find the best solutions to current industry practices.. |
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## **Internship:**

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| **Date** | **Description:** | **MSc Research** |
| June 2014  To | **Location:** | Perth, Scotland |
| August 2014 | **Company:** | **Scottish Southern Energy (SSE)** |
|  | **Role:** | * Researching data for the solar market * Time series analysis and GBMs * Alternative solutions to the current big data procedures |

## **Education:**

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| **Date** | **University:** | **University of St. Andrews** |
| Sept 2013 | **Location:** | St. Andrews Scotland |
| To | **Degree:** | **MSc. Applied Statistics and Data Mining** |
| Sept 2014 | **Grade:** | **MSc** |
|  | **Summary:** | * Machine learning * Applied Statistics |
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| **Date** | **University:** | **University of Glasgow** |
| Sept 2009 | **Location:** | Glasgow Scotland |
| To  June 2013 | **Degree:**  **Grade:** | BSc Honours Economics  2.1 Honours |
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| **Date** | **High School:** | **Columbia International College** |
| January 2008 | **Location:** | Hamilton, Canada |
|  | **Diploma:** | Ontario Secondary School Diploma (OSSD) |
| To December 2008 | **Description:** | 30 credits are required to achieve an OSSD. (Previously known as an OAC (Ontario Academic Credit). Maths and English being the only complusory courses. I studied Economics, Geography, History, Computer Science and Law amongst a few other courses. |

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| August 2003 | **Prep & Secondary School:** | **St. Andrews Turi** |
| To | **Location:** | Kenya |
| June 2007 | **Description:** | Prep School and O Levels |

## **Other:**

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| **Date** | **High School:** | **Cofounder of Mimosa Society** |
| August 2011  To 2013 | **Location:** | Glasgow, Scotland |
|  | **Description:** | Established a new society at Glasgow University. |

## **Hobbies:**

Swimming

Muay Thai – Mentoring young

Gymnastic Rings

Reading

Curiosity