**Allyson Ames**

**FDM Consultant**

**Profile**

Allyson is a driven Technical Data Analyst with a growing expertise in Data science. Advancing with a degree in Economics and Mathematics, Allyson has gained excellent analytical and computational skills whilst enhancing her statistical abilities during her studies. Applying logical reasoning to theoretical concepts in mathematics and economics, she used technical software to scrutinize, manipulate and test data, achieving top marks in her last project at university. Allyson’s extensive knowledge in abstract concepts has contributed to her creativity and exceptional problem solving in her work.

Having an enthusiasm for data, Allyson has developed her business acumen alongside her technical skills through transforming complex data into insightful analytic solutions, designing and maintaining a streaming service for real-time data improving data performance organisation wide, and demonstrating a history of independent learning and adaptability. Allyson aspires to work in a fast-paced environment that is aligned with her personal and professional goals that will create opportunities for her career development in becoming a Data Scientist.

**FDM Employment History**

**Aon, Chelmsford & London  April 2019 – May 2020**

*Data Analyst/Engineer*

* Supported the data first strategy by building big data infrastructure, utilising a data processing tool *Streamsets* to design and maintain pipelines that provided real time and batch data processing for all UK Insurance data originating from various sources and formats (RESTful API, MySQL, SFTP, XML, JSON, CSV, Excel) into a centralized location.
* Developed and supported data integrity through reporting and alerting for pipelines in *Streamsets* and implemented updates to existing client data achieving business objectively in a timely manner.
* Worked on optimizing data flow, scalability and performance of existing data infrastructure throughout ongoing projects.
* Analysed and transformed large, complex insurance data into business assets that served stakeholders throughout the organization by building foundational datasets, scripting stored procedures, functions and views using *MS SQL* and *Apache Impala.*
* Assisted in creating the universal *PowerBi* template that will be used for dashboards going forward.
* Produced insightful, consistent, clean real-time reports and dashboards built using *PowerB*i for stakeholders across the organization accelerating business performance-based decisions.
* Developed excellent reporting tool skills such as data modelling, power query editor capabilities and DAX scripting using *PowerBi.*
* Rolled out the use of a version control system such as *GitHub* successfully thus increasing team efficiency.
* Assisted the development of the meta-data management tool *Alaition* improving data literacy across the organization, in turn reducing repetitive work requests for the team.
* Liaised with stakeholders to better understand business requirements and the data stored in various systems.
* Ability to work in a fast-paced agile development environment and provided a quick turnaround, coordinating effectively with team members in engineering and analytics.

**Nationwide, Swindon    November 2018 – January 2019**

*Junior Technical Architect*

* Populated *EnterpriseOne* with meta-data retrieved by data collection from sources and liaising with Senior Architects and SME’s.
* Cleansed application meta-data using *Apptio* and detailed verified cost breakdowns of the application in turn giving crucial cost insights to the business saving millions.

**BAE Systems for Nationwide, Swindon    August 2018 – November 2018**

*Junior Technical Architect*

* Held responsibility in developing the Application Landscape across Nationwide. Controlling the technical Scope and implementation in line with the best practice across all the engagements.
* Liaised with senior stakeholders such as Senior Enterprise Architects and to better understand data and implement standards for the Application Landscape across the organization.
* Collected key data entities regarding applications as a part of *Project CRUD* allowing crucial business decisions to be made such as GDPR restrictions.
* Implemented and promoted governance processes for information and metadata which ensured the establishment of a common language and ongoing accurate, validity and reuse of metadata.
* Consolidated the application estate to create a single source of truth *(Enterprise One)* and ensured each application was verified directly by a SME.
* Designed improvements to the user interface of the tool *EnterpriseOne* increasing the usability.
* Collaborated with senior stakeholders and communicated work progression on a daily scrum, achieving project goals consistently.

**FDM Training**

**FDM Academy, London April 2018 – August 2018**

Allyson has completed the Java Development and Data Science programmes. These programmes included the following modules:

Java

1. **Professional Skills** including development lifecycle, presentations & report-writing
2. **Structured Query Language** including database manipulation
3. **Excel** including VBA, Solver, Aggregate Functions, Nested If statements, V-Lookups
4. **Unix** including Vi Editor, Shell Scripting
5. **Web Apps Design** Including HTML 5, CSS3, JavaScript, XML & XSL
6. **Object Oriented Development** including Core Syntax, OOP and SOLID principles
7. **Object Oriented Development** including Core Syntax, Design Patterns
8. **Object Oriented Development** including Jenkins, Maven, GIT, TDD, Mockito, Logging
9. **Data Access in Java** including JDBC, JPA
10. **Web Programming** including JSP, MVC, SOA
11. **Spring Framework including** spring-core, spring-beans, spring-webmvc
12. **Software Development Project** over the course of two weeks
13. **Sign Off Week** includes a final Exam and Technical interview

Data Science

1. **Introduction to Data Science** including Distributed Computing, Hadoop and Data Ingestion
2. **Hadoop** Distributed File System including DEDPQ MapReduce
3. **Introduction to Hive** including HiveQL DDL, Hive Querying Fundamentals and Data Ingestion
4. **Spark-Scala** Core Programming including In-Memory DEDPQ Spark

**Previous Employment History**

**Waitrose, London    November 2017 – April 2018**

*Supermarket Assistant*

Responsibilities included:

* Maintaining high standard of service on checkouts, ensuring all products were in stock and available for purchase, issuing refunds and processing deliveries.
* Constantly upheld excellent communication with different levels of personnel, from fellow employees, supervisor and team management.
* Enhanced organisational and time management skills by gaining skills in various areas of the shop thus becoming a dynamic employee.
* Challenges included producing designs and displays for store windows to promote the stores merchandise, handling multiple customer queries at once and ensuring warehouse duties have been completed to a high standard.

**Tutor in Economics and Mathematics, London    August 2017 – April 2018**

*Tutor*

* Taught modules in A Level Mathematics such as C1 and C2. In Economics topics such as, Income Elasticity of Demand and Supply, Government Intervention and Gains from Trade.
* Ensured all material for student learning were thoroughly planned and challenging to enable productive sessions. Delivered materials through use of appropriate teaching and assessment methods. Provided critical feedback to students, coaching them to achieve the best outcome.
* Enhanced organisational and time management skills. Developed interpersonal skills by creating good rapport with students. Maintained a good understanding of subject knowledge.
* Challenges included inspiring students to work diligently and finding creative ways to present complex problems in an easy way ensuring students meet their goals.

**Education**

**Generic University September 2014 – September 2017**

**Economics and Mathematics (Hons.) 2:1**

Modules included:

Probability and Statistics II

Linear Algebra and Vector Calculus

Time Series Econometrics

Intermediate Econometrics

Topics in Applied Econometrics

**Generic Sixth form September 2011 – June 2013**

**A-Level:** Mathematics (A), Economics (A), English Literature (B)

**Interests and Activities**

Allyson finds her free time spent in makeup freelancing, which has honed her creative abilities. Allyson also takes an interest in photography and has used her beginner skills during her freelancing. She is also learning how to read, write and speak Arabic.