
CASSANDRA (CASSIE) HOWARTH-KNIGHT

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I am a creative and highly self motivated individual with demonstrable experience in delivering insight from data and designing data products in accordance with business needs to ensure delivery of strategically relevant solutions in line with requirements and time scales. I have strong communication and collaboration skills developed through working with a variety of stakeholders of all levels of seniority across different business areas and coaching experience. Experience of Agile methodologies and ways of working including managing backlogs and prioritising workload based on use cases, user stories and acceptance criteria. I continually strive to develop new skills and knowledge and have a keen interest in the latest developments in analytics and open-source technologies.

Experience

Claims Data Graduate (AEIS Data Business Partner), Allianz UK — September 2021 - present

Based in the agile Claims Data & Insight team I am currently focused on designing a data development strategy for the Engineering Inspection area of the business to improve data management practises and ensure data provided to stakeholders enables accurate and accessible measuring of business delivery and surveyor performance. My role entails collecting requirements from stakeholders across all areas and levels of seniority in Engineering to understand the level of granularity and insight required from the data to ensure they are able to make business decisions as effectively as possible from reporting provided, as well as reviewing existing reporting and data management frameworks to reduce duplication of work and create a single source of truth.

Prior to switching my focus to Engineering Inspection I completed ad-hoc data and insight requests across all Claims lines of business using SAS, Excel and Python/PySpark to extract data from a datalake and SAS warehouses. I created a data playground web application using Python and Streamlit to support the Claims Strategic theme of 'Creating a Data Driven Culture' that will be used in data literacy workshops in Q2 2023 to enhance understanding of data quality issues and data best practises within the claims area of the business. Experience using Github for code management and Docker in preparation for deployment of the application. Exposure to agile methodologies and working practises with hands on experience using Jira and Confluence on a daily basis to manage and prioritise workload.

Coordinated the redesign of the externally facing Engineering Inspection website as part of a graduate side of desk project - delivered the project in an agile way and networked with multiple stakeholders (including clients) across the Engineering Inspection area of the business to gather requirements and understand the deliverables to ensure the design met end user needs and supported the direct marketing strategy the Engineering Inspection business is moving towards. Collaborated with the marketing department to implement the design and effectively communicated time scales of delivery to stakeholders across Engineering. Presented design suggestion to the Head of Engineering, Head of Customer and Distribution and multiple other stakeholders across Engineering to ensure the design aligned with initial project brief requirements and met expectations prior to being handed to marketing to implement.

Coached two summer interns throughout their summer internship (July-September 2022) providing training on all software and practises used within the Claims Data & Insight team (Excel/SAS/Jira/Confluence) and supported them in their preparation for applications to the Claims Data graduate scheme, for which both were successful.

Claims Data Summer Intern, Allianz UK — June-August 2020

Spent 9 weeks in the Claims Data & Insight team completing ad hoc reporting using SAS and Excel across all lines of business in the Claims area of the business. Collaborated with the data value management team to create a data dictionary of all measures and KPIs used within the SAS WRS reports maintained by the Claims Data Team. Developed an initial AI Governance framework document to provide guidance on best practice for model documentation and risk assessment in accordance with newly developed EU regulation and guidance.

Data Research Executive, City & Financial Global — April 2019-May 2020

Responsible for the majority of data research done for the company - finding sponsors, speakers and delegates to attend and support conferences on diverse financial topics. Maintained and restructured the contact database to enable more efficient identification of existing customers to improve efficiency in identifying previous customers to invite to upcoming conferences. Restructured budget forecasting tools in Excel and created a mobile phone app for use at conferences using Kotlin, Swift and Google Firebase.

Education

University of York - MSc Computer Science & Data Analytics, October 2022-Present

Modules completed:

- Algorithms & Data Structures (Pass)

Certificate in Insurance (Cert CII) - February 2022

University of Surrey — Financial Mathematics BSc, September 2018 - June 2021

1st Class Honours - notable modules:

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| - Mathematics of Data Science 77% | - Graphs and Networks: 76% |
| - General Linear Models: 89% | - Dynamic Asset Pricing Theory 87% |
| - Statistical Methods with Financial Applications 80% | - Linear Algebra 87% |

Skills

- Proficient in Python, Java, SAS, SQL, Angular, R, MATLAB, Swift and Kotlin.
- Experience of web application deployment and maintenance using Heroku, Docker, Firebase and Github.
- Advanced Excel and Powerpoint Skills.
- Strong problem solving skills with the ability to use innovative and out of the box thinking to deliver solutions.
- Fluent proficiency in Dutch.

About me

In my free time I figure skate, enjoying hiking, watching rugby and going to the pub with friends. I am also a qualified Mental Health First aider and actively support MIND charity, I recently completed a tough mudder to raise money on behalf of MIND.
