SONJA TILLY CFA

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SUMMARY

Experienced investment professional who enjoys applying machine learning techniques to gain insights from data and enhance decision-making.

KEY SKILLS

Machine Learning ¦ Python ¦ SQL ¦ Quant analytics ¦ In-depth knowledge of fixed income markets and instruments ¦ Investment Research ¦ Bloomberg ¦ Lipper IM ¦ Problem solving ¦ Pro-active ¦ Inquisitive

PROJECTS

Predicting non-performing loans using Lending Club dataset. Analysed factors influencing loan performance and built a model predicting the probability of loan underperformance achieving an AUC score of 0.984.

Finding donors for a charity. Investigated factors that affect the likelihood of charity donations based on census data. Selected the most accurate and efficient supervised machine learning model.

Creating customer segments. Reviewed unstructured data to understand the patterns and natural categories that the data fits into. Used multiple algorithms and compared and contrasted their results. Made predictions about the natural categories of multiple types in a dataset and the results of unsupervised analysis.

WORK EXPERIENCE

ABERDEEN ASSET MANAGEMENT, LONDON

INVESTMENT MANAGER | JAN 2012 - PRESENT
Leading research and selection of fixed income funds for multi-asset portfolios.
Statistical analysis and machine learning modelling using Python and SQL.
Generation of reports to document, archive, and communicate projects and outcomes
"Deep dives" into data sets, presentation and discussion of solutions with business partners

BROADSTONE PENSIONS AND INVESTMENTS LTD, LONDON

FIXED INCOME ANALYST | SEPT 2010 - DEC 2011
Leading research and selection of fixed income funds, including quantitative analysis.

STANHOPE CAPITAL LLP, LONDON

INVESTMENT ASSOCIATE | FEB 2008 - SEPT 2010
Leading research and selection of fixed income funds, including statistical analysis and assessment.

PROFESSIONAL QUALIFICATIONS

CFA Charterholder and member of the CFA UK Society
Investment Management Certificate (IMC)
Udacity Machine Learning Nanodegree

EDUCATION

UDACITY, LONDON

MACHINE LEARNING NANODEGREE, MAY 2017

EUROPEAN BUSINESS STUDIES AT OXFORD BROOKES UNIVERSITY AND FH REGENSBURG

EUROPEAN BUSINESS STUDIES, BA (HONS) AND DIPLOMBETRIEBSWIRTIN (FH), SEPT 2004

AKADEMIE FÜR BÜROKOMMUNIKATION UND WELTHANDELSSPRACHEN, STUTTGART

EUROPEAN SECRETARY (ESA), SEPT 2000

DIETRICH-BONHOEFFER-GYMNASIUM, LONDON

ABITUR, JUL 1998