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Education

Imperial College London	London
<i>MSc. Computer Science (Machine Learning), Distinction (Provisional)</i>	<i>10/2015–09/2016</i>
Imperial College London	London
<i>BSc. Mathematics with Statistics for Finance, First Class Honours</i>	<i>10/2012–06/2015</i>

Experience

Vocational.....

Aboard	London
<i>Technical Partner / Python Django Developer / Ionic Framework Developer</i>	<i>04/2015–06/2016</i>

- Built a web service using Python (Django) that powers the mobile application;
- Rewrote part of the front-end written by other developers to improve performance;

HSBC Bank Plc.	London
<i>Summer Analyst</i>	<i>06/2014–08/2014</i>

- Built and maintained reconciliation as per project manager's requests using PL/SQL and VBA;
- Extended functionality to the Excel sheet that generates control files for SQL*Loader which in turn streamlined the process of loading data into the database for reconciliations;

Selected Projects.....

TrueSkill Model for Tennis Match Prediction And Its Extensions	Imperial
<i>Individual Project with Stratagem Technologies Ltd.</i>	<i>05/2016–Present</i>

- Compiled a more detailed report on the TrueSkill model than the original technical report;
- Implemented the TrueSkill model in Python to allow more customisations and extensions;
- Currently conducting experimental work on extending TrueSkill to make it context-aware;

Modelling Loss Given Default and Truncated Support Vector Regression	Imperial
<i>Individual Academic Research Project</i>	<i>01/2015–06/2015</i>

- Reviewed several previous publications on modelling Loss Given Default;
- Implemented Support Vector Regression in MATLAB and compared it against other methods on a real dataset;
- Explored the possibility of Truncated Support Vector Regression, reported some promising preliminary results;

Modelling Horse Racing	Personal
<i>Individual Project</i>	<i>07/2014–Present (On Hold)</i>

- Wrote a web scraper that store horse racing data into local MySQL database using Java;
- Experimented a few models that does not yield concrete predictions that could be used;
- Leveraging the experience gained in building Aboard, wrote an interactive application to scrape data into a Neo4j database in Python to speed up development cycle of new models;

Support Vector Machines for Automated Diagnosis of Heart Disease	Imperial
<i>Group Project</i>	<i>05/2014–06/2014</i>

- Implemented the machine learning technique from ground up using Quadratic Programming in MATLAB;
- Attained a classifier with predictive accuracy of 83% and compiled a report about it;

Computer skills

Proficient Languages: Python, MATLAB, R, SQL, C, JavaScript

Frameworks and Libraries: NumPy/SciPy/Django (Python), AngularJS/Ionic (JavaScript), Apache Spark

Operating Systems: Linux, Windows

References

- Dr. Tony Bellotti, Mathematics Department, Imperial College London, London SW7 2AZ
- Dr. Marc Deisenroth, Department of Computing, Imperial College, London SW7 2AZ
- Prof. Richard Thomas, Mathematics Department, Imperial College London, London SW7 2AZ