Hin Hong (Ryan) Tam

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Education

Imperial College London **London**
MSc. Computer Science (Machine Learning), ***Distinction (Provisional)*** *10/2015–09/2016*

Imperial College London **London**
BSc. Mathematics with Statistics for Finance, ***First Class Honours*** *10/2012–06/2015*

Experience

Vocational

Aboard **London**
Technical Partner / Python Django Developer / Ionic Framework Developer *04/2015–06/2016*

- 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**
Summer Analyst *06/2014–08/2014*

- 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**
Individual Project with Stratagem Technologies Ltd. *05/2016–Present*

- Refactored and improved performance and code readability of legacy code;
- 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 TrueSkill to make it context-aware

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

- 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**
Individual Project *07/2014–Present (On Hold)*

- 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**
Group Project *05/2014–06/2014*

- 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