Hin Hong (Ryan) Tam

705 Sculpture House, 4 Killick Way – E1 3FE London – United Kingdom

☎ +44 (0)7413668898 • ✉ ryantam626@gmail.com

✈ github.com/ryantam626

Experience

Vocational

Smarkets   **London**

Data Scientist / Software Engineer   *10/2016–Present*
- Built anti money laundering system using Python;
- Built system to detect problem gambling patterns using Python;
- Built data pipeline with Python insuring data consistency and producing metrics consumed by accounting systems;
- Maintaining and extending various other Python micro-services (Flask) and providing additional tooling;

HSBC Bank Plc.   **London**

Summer Analyst   *06/2014–08/2014*
- Built and maintained reconciliation systems 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

JupyterLab Extensions   **Personal**

Open Source Project   *07/2018–Present*
- Developed a JupyterLab extension to apply Black (a Python code formatter) to code within codecell;
- Developed a JupyterLab extension to support a slightly opinionated Sublime Text keybinding within codecell;

State-Aware TrueSkill For Tennis Match Prediction   **Imperial**

Individual Project with Stratagem Technologies Ltd.   *05/2016–09/2016*
- Compiled a more detailed report on the TrueSkill model than the original technical report;
- Implemented the TrueSkill model in Cython and Python;
- Extended the TrueSkill model to allow it to learn from features of the event in question;

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;

Computer Skills

Selected Proficient Languages: Python, MATLAB, R, JavaScript/TypeScript, C

Selected Frameworks and Libraries: NumPy, SciPy, Pandas, Luigi, Apache Spark

Operating Systems: Linux, Windows

Education

Imperial College London   **London**

MSc. Computer Science (Machine Learning), **Merit**   *10/2015–09/2016*

Imperial College London   **London**

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

References

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