

# Hin Hong Tam

## Education

### BSc Mathematics with Statistics for Finance (G1GH)

10/2012 – 07/2015

IMPERIAL COLLEGE LONDON

- Second Year: First Class

### GCE Advanced Level

09/2010 – 07/2012

CARDIFF SIXTH FORM COLLEGE

- GCE Advanced Level: Mathematics A\*, Further Mathematics A\*, Physics A\*, Chemistry A, Chinese B

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## Work Experience/Employment History

### HSBC Bank Plc, London, UK [Summer Analyst]

06/2014 – 08/2014

- Building and maintaining 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

### Ping On Foundation (Piling) Co Ltd, Hong Kong [Student Apprenticeships]

08/2013 – 09/2013

- Developed Excel macro using VBA to extract and analyse data from multiple data sources
- Created a user interface prototype for the database using PHP, MySQL and JavaScript

### Ping On Foundation (Piling) Co Ltd, Hong Kong [Student Apprenticeships]

08/2012 – 09/2012

- Fixed defective Excel documents and Mail Merge
- Developed a plan for a database to cut down migration of data between multiple excel workbook

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## Projects

### Modelling Loss Given Default via Support Vector Regression (SVR)

01/2015 – Present

- Individual academic research project as a final year Mathematicians in Imperial College London
- Reviewing previous publications on modelling Loss Given Default
- Implementing the machine learning technique in Matlab and exploring possibility of Censored SVR

### Natural Language Processing on Emails

11/2014 – Present

- Part time project for Quiver Software Limited
- Implementing Natural Language Processing techniques to detect and prevent erroneous transfer of emails

### Matchmaking System for Imperial College Badminton Club

10/2014 – 11/2014

- Individual project as the Web Admin of Imperial College Badminton Club
- Added a matchmaking system to the club website using PHP, MySQL and JavaScript

### Support Vector Regression and Logistic Regression in Horse Racing Prediction

07/2014 – Present

- Individual project out of curiosity after previous project on Support Vector Machines
- Created and continually updating API to web scrape horse racing data into local MySQL database using Java
- Currently experimenting with different predictive variables for both techniques using R and Java

### Support Vector Machines for Automated Diagnosis of Heart Disease

05/2014 – 06/2014

- Lead a group of four Mathematicians in Imperial College London in an academic project
- 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

### Intro to Dynamic Programming and Simulated Annealing

05/2013 – 06/2013

- Individual project as part of the Mathematics course in Imperial College London
- Produced a poster to educate secondary schools during open days of Imperial College London

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## Skills

**Computer skills** Languages: Java, SQL, PHP, HTML5, CSS, VBA, JavaScript, C, R

Applications: MS Word, MS Excel, MS PPT, MS Access, CAD, Matlab, Maple, LaTeX

Operating Systems: Windows and OS X

**Language**

Fluent in English, Cantonese and Mandarin

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## Interest

### Sports

Won silver and gold medals in competitions held by the Hong Kong School Sports Federation. Founded Cardiff Sixth Form College's Badminton Club and remained president and team captain for two years. Currently the Web Admin of the Imperial College Badminton Club.

### Music

Completed the grade 3 piano exam by the Associated Board of the Royal Schools of Music with Merit in 2000. Fascinated by the beauty of music, I continued learning independently ever since. Played solo and duets for RAG events organised by Cardiff Sixth Form College students.

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## Referees

Prof. Tony Bellotti, Mathematics Department, Imperial College London, London SW7 2AZ

Prof. Richard Thomas, Mathematics Department, Imperial College London, London SW7 2AZ