

# Yingkai XU



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## EDUCATION

### University College London, U. of London

*MSc in Computational Statistics and Machine Learning (Expected Distinction)*

London, UK

Expected Sep 2015

### London Graduate School in Mathematical Finance

*Preliminary for PhD in Mathematical Finance*

London, UK

Jun 2015

### The University of Nottingham

*BEng (Hons) in Electrical and Electronic Engineering, First Class Honours (78%)*

Nottingham, UK

Jun 2014

### Nanjing University of Aeronautics and Astronautics

*BSc (Hons) in Information and Computing Science, Top 2% (3.9/4.0)*

Nanjing, China

Jun 2012

### The University of Hong Kong

*Exchange Programme at the Centre of Asian Studies*

Hong Kong

Feb 2011

## WORK EXPERIENCE

### Glenmere Technology Ltd

*Full Stack Developer -- Mobile App UI/UX Design and Backend Development*

London, UK

Oct 2014 -- Present

- Applied ThinkPHP framework and AWS to establish the CRM system and official website (nhkeu.co.uk).

### Startup.ML

*Machine Learning Fellow -- Algorithm Development*

San Francisco, US

Feb 2015 -- Present

- Empowered the business model with accurate and fast machine learning systems for startups.

### Tantinet Capital Ltd

*Trader/Quantitative Researcher -- Brokerage Service and FX, Commodities, Futures & Options Trading Strategies*

London, UK

Oct 2012 -- Sep 2014

- Developed quantitative trading algorithms (20%-30% return per year) and measured risk-return and timing profiles of them.

### McKinsey & Company

*Part-time Assistant -- M&A Analysis*

Shanghai, China

Aug 2014

- Identified potential global M&A target companies as a compliment of client's industrial value chain.

### Intelligent Modelling and Analysis Research Group, U. of Nottingham

*Data Analyst -- Machine Learning Research*

Nottingham, UK

Jun 2014 -- Aug 2014

- Researched on a novel ensemble for colon cancer stage prediction based on UK immunological laboratory data.

### International Netherlands Group (ING)

*Intern -- Life Insurance Marketing Research*

Hong Kong

Feb 2011

- Researched on insurance products, insurance development and marketing strategies of mainland China.

## PUBLICATIONS

**Xu, Y.** Kang, S. and Lin, H. 2013. 'The MTSP Optimal Model Suited for Local-cross Repeat Path'. *Chinese Control and Decision Conference (CCDC)*, Guiyang, 25-27 May 2013. pp. 3522-3525.

Gao, L and **Xu, Y.** 2012. 'Face Orientation Recognition Based on Multiple Facial Feature Triangles'. *International Conference on Control Engineering and Communication Technology (ICCECT)*, Liaoning, 7-9 December 2012. pp. 928-932.

## PROJECTS

Real-time Bidding Click-through Rate Prediction

Mar 2015 -- Present

Semi-supervised Recursive Autoencoders for Opinion Detection on Twitter

Mar 2015 -- Apr 2015

Application of Reinforcement Learning in Card Game Easy21

Feb 2015 -- Apr 2015

Use Telematic Data to Identify a Driver Signature

Feb 2015 -- Mar 2015

Classify the Sentiment of Sentences from the Rotten Tomatoes Dataset

Jan 2015 -- Feb 2015

An Ensemble to Predict the Survival of Patients with Colon Cancer Based on the Optimal Model for Imputation

Jun 2014 -- Aug 2014

Mortar Element Method for the Two Dimensional Transverse Electric Boundary Integral Equation

Sep 2013 -- Jun 2014

Humanoid Gait Planning and Stability of Biped Robot

Oct 2011 -- May 2012

## HONORS & AWARDS

Knowledge Exchange Innovation Awards

May 2014

Finalist in National Apprentice Challenge

Apr 2014

Entrepreneur Grant of Student Venture Challenge

Mar 2014

Meritorious Winner in Mathematical Contest in Modelling (MCM)

Feb 2011

## LANGUAGES & SKILLS

Languages: Mandarin (Native), English (Fluent)

Skills: MATLAB, R, Python, C, C++, PHP, JavaScript, SQL, HTML, CSS, Latex and MS Office. Accustomed to Linux OS.