Yao Zhang

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Education

University Of Oxford	**Oxford, UK**
MSc in Computer Science, especially in Machine learning **GPA: 3.7/4.0**	*Oct 2014–Oct 2015*
University of Nottingham	**Nottingham, UK**
BSc in Computer Science, **First Class degree**, **GPA: 3.8/4.0**, **Rank: 5/180**	*Sep 2011–July 2014*

Work Experience

Part-time developer, Development Team, *EASA Software*, Oxford   Feb 2015–July 2015

Worked on a J2EE platform for fast authoring, publishing web applications and automatically transforming Matlab and Excel programs to web applications.

○ Solved 30+ tickets with **Java, JSP, JFS, JS, Hibernate** techniques, on both front and back end;
○ Upgraded data persistence from filesystem to database using Hibernate.
○ Also worked on testing and bug fixing.

Research Assistant, *Intelligent Modelling & Analysis Research Group*, Nottingham   July 2014–Sep 2014

Built a program to identify and annotate the risk factors automatically for Heart Disease in Diabetic Patients

○ Operated on a large set of medical record data (10 GB) of diabetic patient
○ Solved Natural Language Processing (*NLP*) tasks with **Java** and **Python**, obtained 84% accuracy.

Developer Intern, *University of Nottingham, Ningbo China*   Jun 2013–Aug 2013

Worked with a team on a project which aims to optimised the freight transportation in Ningbo port

○ Developed an *Android* app as client and an admin website for transportation management
○ Functions includes GPS positioning, vehicle tracking, task allocating and daily reporting;

Projects

Made useful tools and websites in *Java, C++, Matlab, Python* and *J2EE* with 10+ projects. Details in the project list on `http://psyyz10.github.io/projects/`.

Fantuan

○ Fantuan is a social networking mobile application that facilitates offline group dinner in London
○ Working on it with a team for its first version release, developed with **Ionic, AngularJS, Node.js** and **Gulp**.

Stock Prediction with deep learning (Master Dissertation) - High Distinction

○ Proposed an approach using financial reports to predict stock market trends with modified deep learning models
○ Programmed with **Python** and a series of libraries such as **Numpy, NLTK, Theano** and **Sklearn**
○ Achieved a **top ranked** mark among the students in MSc Computer Science at the University of Oxford

Plant Disease Diagnosis Application (Undergraduate Dissertation) - First Class

○ Developed an **android** application to identify plant diseases automatically based on leaf appearance
○ **Computer vision** and **machine learning** techniques are applied and programmed with **Matlab** and **Java**

A Mobile Auction Online System - First Class

○ As a **technical leader** and main programmer within a group
○ built an online auction and shopping mobile system like ebay with **J2EE**
○ Developed algorithms such as proxy bidding, item recommendation, and P2P Network Reputation Management

Honors and Awards

High Achievers Awards for academic excellence	**2012-2013**
For top 10 (out of 180) students in Computer Science department at the University of Nottingham	
Head's Scholarship for academic excellence	**2011-2012**
For top 15% students at the University of Nottingham	

Professional skills

Expert: Java, Haskell   **Proficient**: Python, MatLab, JSP, C/C++, Latex, MySQL

Prior Experience: AngularJS, R, JavaScript, CSS/Sass, Coq, OpenGL, Node.js, Android