Yao Zhang

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Education

University Of Oxford	**Oxford, UK**
Master of Science, Computer Science, GPA: 3.7/4.0	*Oct 2014–Oct 2015*
University of Nottingham	**Nottingham, UK**
Bachelor of Science, Computer Science, First Class degree, GPA: 3.8/4.0, Rank: top 3%	*Sep 2011–July 2014*

Relevant Experience

EASA Software   **Oxford, UK**
Part-time Developer   *Feb 2015–July 2015*
- Implemented new functions and improved original features of the EASA application to version 5.4
- Also worked on testing and bug fixing, with Java, JSP, JFS, Hibernate Framework

Intelligent Modelling & Analysis Research Group   **Nottingham, UK**
Research Intern   *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 of diabetic patient
- Solved Natural Language Processing tasks with Java and Python

University of Nottingham, Ningbo China   **Ningbo, China**
Developer Intern   *Jun 2013–Aug 2013*
- Optimised the freight transportation in Ningbo port
- Worked with a team and 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

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, Angular.js, 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 mobile 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 Java EE
- 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 students in Computer Science department at the University of Nottingham	
Head's Scholarship for academic excellence	**2011-2012**
For top 10% students at the University of Nottingham	

Professional skills

(Expert): Java, Haskell **(Proficient)**: Python, MatLab, JSP, Latex, MySQL

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