

# Yao Zhang

**Mobile :** 15640022387 **E-mail:** psyzy10@163.com **Home Page:** psyzy10.github.io/about/  
**Linkedin:** https://cn.linkedin.com/in/yao-zhang-637a357b

## Education

### University Of Oxford

*MSc in Computer Science, especially in Machine learning, GPA: 3.7/4.0*

**Oxford, UK**

*Oct 2014–Nov 2015*

### University of Nottingham

*BSc in Computer Science, First Class degree, GPA: 3.8/4.0, Rank: 5/180*

**Nottingham, UK**

*Sep 2010–July 2014*

## Work Experience

### Software Engineer, EverString, Beijing

*Jan 2016–Now*

Worked on an intelligence decision platform that provides lead scoring and predictive demand generation that is enabling the predictive generation of marketing.

- Built decision platform web application which support lead generation and lead scoring
- Used Techniques: Java, Python, Spring Framework, MySQL, Mongo, HDFS

### 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 50+ tickets with **Java**, **JSP**, **JS MySQL** techniques, on both front and back end;
- 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

*Jun 2013–Aug 2013*

Worked with a team on a project which aims to optimised the freight transportation at 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://psvz10.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 ([Link](#))

- 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

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

**Prior Experience:** Spring, MongoDB, Scala, AngularJS, R, JavaScript, CSS/Sass, Coq, OpenGL, Maven, Android, Torch

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手机: 15640022387 E-mail: psyyz10@163.com 个人主页: psyyz10.github.io/about/  
Linkedin: https://cn.linkedin.com/in/yao-zhang-637a357b

## 教育背景

牛津大学 (世界排名前五) 牛津, 英国  
计算机科学硕士 GPA: 3.7/4.0 2014/10–2015/11

诺丁汉大学 (世界排名前百) 诺丁汉, 英国  
计算机科学学士, 一等学位, GPA: 3.8/4.0, 排名: 5/180 2010/10 – 2014/06

## 工作经验

软件开发工程师, EverString, Beijing 2016/01 – 现在

从事于一个能为企业的潜在用户打分并挖掘新的潜在客户的智能决策平台。

- 创建支持为潜在客户打分和挖掘新潜在客户的网络决策平台
- 应用技术: Java, Python, Spring Framework, MySQL, Mongo, HDFS

兼职软件工程师, 开发组, EASA Software, 牛津 2015/2–2015/6

从事于一个快速编写发布网络应用, 把Matlab和Excel的程序转自动化为网络应用的一个J2EE的平台

- 解决50+个任务用 Java, JSP, JS, MySQL等技术, 包括前端和后端
- 把数据持久性从文件系统升级到数据库用Hibernate
- 同时测试和修改bug

助理研究员, 诺丁汉大学智能建模和分析研究组, 诺丁汉 2014/7–2014/9

制作了一个程序来自动识别和标注, 糖尿病病人得心脏病风险因素

- 操作在一个存放很大的糖尿病病人医疗纪录的数据集 (10 GB)
- 用Java和Python解决自然语言处理有关的任务(NLP), 取得了84%的准确率.

开发者实习, 诺丁汉大学 2013/6--2013/8

和一个团队一起做一个优化港口货运运输的项目

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## 项目

用Java, C++, Matlab, Python和J2EE等制作了有用的工具和网站, 项目数量10+。详细信息请参考项目列表, 链接 <http://psyyz10.github.io/projects/>.

饭团

- 饭团是一个正在开发中的移动社交网络应用, 它可以简化线下的组团约一起吃饭的过程
- 正在和一个小团队一起开发第一个发布版本, 开发应用Ionic, AngularJS, Node.js和Gulp等技术.

用深度学习做股票预测 (硕士论文) - 研究生一等荣誉论文 (链接)

- 提出了一个用金融报告通过深度学习来预测股票走势是的方法
- 用Python和一些列函数库如Numpy, NLTK, Theano和Sklearn开发。
- 取得了在牛津大学计算机系的学生中的高排名分数

植物疾病诊断应用 (本科论文) - 本科一等荣誉论文

- 开发了一个安卓手机应用, 通过拍照叶片表面来自动识别植物疾病
- 应用计算机视觉和机器学习技术, 主要编程语言是Matlab和Java

一个移动拍卖系统 - 一等成绩

- 在一个团队里, 作为一个技术领导者和主要程序员
- 用J2EE, 建立了一个完备的网上竞拍和购物的移动系统
- 开发算法如代理竞标, 物品推荐, 和P2P网络声誉管理等

## 荣誉和奖项

学术高度成就奖学金 2012-2013

奖给诺丁汉大学计算机系所有学生中, 成绩排在前十名(在180人中)的学生

院长学术成就奖学金 2011-2012

奖给诺丁汉大学计算机系, 成绩在前15%的学生

## 专业技能

专业: Java, Haskell 熟练: Python, MatLab, JSP, C/C++, Latex, MySQL

有过操作经验: Spring, MongoDB, Scala, AngularJS, R, JavaScript, CSS/Sass, Coq, OpenGL, Maven, Android, Torch