

Yinghao Sun

Apartment 40, Cheapside, Birmingham, UK, B12 0PN
Mobile Phone: 004407761712888 Email: ys13666@my.bristol.ac.uk

PROFILE

A diligent and smart person who is interested in coding and devoted his life to it.

SKILL&AWARDS

- ❖ 5 years' hand-on experience of Java and C language.
- ❖ More than 2 big projects using C++.
- ❖ 3 years' script language Python, Matlab and SQL through University project.
- ❖ Solid understanding in Algorithm designs (data structure).
- ❖ Strong programming skill and basic understanding on machine learning
- ❖ 2011 Bronze medal of ACM International Collegiate Programming Contest qualifier (Fujian division)
- ❖ 2011 The third prize of Android Application contest (South China division) the award-winning works was Bus helper.
- ❖ 2010 Silver medal of ACM International Collegiate Programming Contest Fujian Contest National Invitational
- ❖ 2010-2011 First prize and Second prize in Oushi'Cup (Innovative software competition) in FNU.

EXPERIENCE

iOS and Website developer, PingPong Digital, Birmingham

Aug 2014 - Present

My major is developing social media application on iOS and building website according to customer's requirement. In addition, I focus on design database and using Amazon Web Services to build the Clouding Computing back-end infrastructure to powers our mobile application.

Internship Software Engineer, Henlo, Wenzhou, China

Jun 2013-Aug 2013

As a intern, I learned business processes in the first few weeks. Then database maintenance and technical solutions were my primary mission. These made me become a developer who has special understanding of business logic. What is more, I frequently used the SQL to insert, query and delete the data.

Vice Present of Public Relations Department, Fujian Normal University, Fuzhou, China

Sep 2011- Jun 2012

I was the Vice Present of Public Relations Department which composed by eleven people. The main work of our department is fund raising from potential sponsor for the student union's activities. Through the process of fund raising, I learned how to communicate and persuade people. In addition, I also in charged of eleven people, I learn a lot of soft skill and leadership skill through managing my team. Moreover, I learned how to take responsibility.

EDUCATION

University of Bristol (UOB), Bristol, UK

Sep 2013- Sep 2014

Major: MSc Advanced Computing.

- Main focus machine learning and cryptography
- Expectation Upper Second-Class Honours

University of Ulster (UU), Derry, UK

Jul 2012- Jun 2013

Major: BSc (Hons) Computer Science.

- 4 year direct entrant (3+1 Project for selected student)
- 15% Tuition Fee Free(by University of Ulster)
- Upper Second-Class Honours

Fujian Normal University (FNU), Fuzhou, China

Sep 2009- Jun 2013

Major: BEng Software Engineering.

- First-class Scholarship two times and Second-class Scholarship two times
- Outstanding Graduated Scholarship in 2013.
- Overall GPA 3.8

PROJECTS

❖ **Master degree final year project (University of Bristol) Win at the dog**

The aim of this project is based on different machine learning algorithms (ID3, Backpropagation and SVM Regression) design & implementation for dog-racing competition prediction. The final accuracy reach 46%.

❖ **Bachelor degree final year project (University of Ulster) Robust Real-Time Face Detection and Tracking**

The objective is to develop robust real-time face detection and tracking system in video streams in real-time. The database of face image from MIT face database, using AdaBoost algorithm to train, without openCV library.

❖ **Bus helper (Main Programmer)**

Helping people to choose three of the best bus line: minimum-cost, minimum-time, minimum-transfer-time, and using google map API (Android Application).

❖ **Synchronous Video Tube (Main Programmer)**

In this project, the video play is combined with synchronous interaction so that users in a virtual studio can watch movie together and chat instantly (Google App Engine).

❖ **Easy student tools (Main Programmer)**

A sharing schedule between student and advisors which helps both of them to plan time (Google App Engine).

❖ **Sunshine Tea (Personal Project)**

A electronic emporium which sells Chinese Tea online (JSP+Hibernate +Spring+Struct).

❖ **Depth study of Warshall algorithm (Main Programmer)**

Building a automatic sparse matrix generator to compare four warshall algorithms in different sparse degrees. Raising hypotheses and using the experimental result to prove hypothesis (Java).