YANG YIDI

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SUMMARY

- iOS Development Engineer with Alibaba, wireless technology department of ICBU (International Core Business Unit).
- Experience with wireless development, data mining, computer vision, spatial analysis and B2B E-commerce.
- Hong Kong Polytechnic University exchange study in Computer Science.
- Wuhan University B.S. in Spatial Information & Digital Technology.

EDUCATION:

Bachelor of Engineering in Spatial Information and Digital Technology, Sep 2014 – Jun 2018
Wuhan University, International School of Software (Software Engineering)
Rank 3/79 with a GPA of 3.57 on a 4.0 scale

Courses taken included:

Discrete Mathematics	Probability Theory and Statistic
Advance Mathematics B1, B2	Data Structure
C++ Programming	Object-Oriented Programming
The Principles of Operating System	Software Engineering
C Programming Language	Networks and Distributed Computing
Linear Algebra	Computer Graphics
Programming Language	Spatial Analysis and Modeling
Spatial Database Design Practice	Digital Image Analysis and Processing

Exchange Programme BSc(Hons) in Computer Science, Sep 2017 – Jan 2018
Hong Kong Polytechnic University, Department of Computing

Courses taken included:

Artificial Intelligence	Game Design and Development
Knowledge and Information Management	
System Programming	
Computer Organization and Microprocessor (sitting in HKU)	

Face Recognition Model Developing and Application, Sep 2017 – Present
Department of Computing, Hong Kong Polytechnic University, Hong Kong

Advisor: Prof. Zhang Lei, HK PolyU;
Collaborator: PhD. Li Lida, HK PolyU;
- I programmed a web-crawler in Python for collecting pictures and data from Flickr、Instagram.
- I developed face recognition model applying the technology of deep learning and trained the model with our own faces data set.
- I reconstructed face 3D model using 3D-Max for more real-life face recognition.

Deep Learning Modelling on Advertisements Evaluation, Feb 2017 – Jun 2017
Intel Software Innovation Organization, International Software School, WHU

Advisor: Prof. Jiang Congshi, WHU; Prof. Xiong Qingwen, WHU
Collaborator: Zhu Siyu, WHU;
Team name: 一滴雨
- I applied the words vector analysis method to analyze the influence factors of advertising conversion rate based on the more than 350,000 data records that collected from Tencent advertising database and transferred into text files.
- I built ADam.AI (a test beta website), put six typical ads to 12 invited testers and other testers via Internet to conduct an experiment, and analyzed the delivery effectiveness by collecting the facial responses from the testers, then collected the result pairs of ads and testers as the parameters to adjust the weights of the evaluation model.
- I established the evaluation model of advertising effectiveness applying unsupervised learning method as well as the classification model of advertisements according to the calculation of their popularity (the calculation is based on the test on ADam.AI).

Star & Light - A Remote Treatment Platform for Autistic Children and Family, Mar 2016 – Nov 2016
Joint International Center for Resource, Environment Management and Digital Technologies (JIC-REDT) International School of Software, Wuhan University
Advisor: Prof. Meng Xiaoliang, WHU
Collaborator: PhD. Wang Zhengyu, Zhu Siyu, WHU;
- I established a website about the knowledge and the communication of autism.
- I designed and programmed an information management system on PC for Wuhan Lingjie Child Rehabilitation Center.
- I designed and developed an iOS application for remote treatment to autistic children and the family. It included some intellectual games for children and the video-based diagnostics module for doctors.

WORKING EXPERIENCE

iOS Wireless Developing Engineering Internship, July 2017 – August 2017
ICBU Technology Department, Alibaba, Hangzhou, China

- I designed the algorithm and function applying the characteristic of iOS url schemes, and developed a channel reverse authentication module for verifying the authenticity and accuracy of the user traffic of Alibaba applications.

- I analyzed the Alibaba applications' daily average of 500,000 user's behavior and characteristics as well as the channels of installing. Then I developed and coded the flow real-time monitoring module on the client side enable the operating managers to observe and analyze traffic trends in time, meanwhile I developed the alarm function for abnormal traffic trends and differentiating the channels of installing.

- I was responsible for developing a new country and region selector for the next updating version of the client. And I gave solution about receiving requests from the non-native "weex" page and binding the data from the server side, then coded it applying the design pattern of MVC.

- I received the Regular Employee Offer – the only intern that passed the final interview with the result of A+ in ICBU technology wireless department.

Marketing Assistant, April 2015 - May 2016
Campus Technology Service Dept., HP Development Company, L.P. (student position)

- I provided computers/laptops fixing service on campus
- I promoted new products of HP on campus
- I held computers knowledge and technology seminars on campus

SCHOLARSHIPS AND AWARDS

- National First Prize in the 5th China Software Cup National College Students Software Designing Contest (Awarded only for top 17/4093 teams including international ones from UK、Canada and South Korea)

- National First Prize in the 10th National College Students Computing Designing Contest in Software Applications Developing (Awarded only for top 10/7423 teams)

- The Provincial Silver Award in the 2nd China Internet Plus Innovation Contest in Hubei

- National Third Prize in 2016 China Mobile Application Innovation Tournament (Awarded only for top 8/ 3203 teams)

- Wuhan University First-class Scholarship 5000 RMB, 2016 (Awarded only for top 2/79 students)

- Wuhan University Second-class Scholarship 3000 RMB, 2017 (Awarded only for top 5/79 students)

- Yazhong Innovation and Education Scholarship 10，000 RMB, 2016 (Awarded only for top 5 students including graduate and doctoral students all over Wuhan University)

- Merit Students, Wuhan University, 2016 / Merit Students, Wuhan University, 2017

PUBLICATIONS

- **National Invention Patent No. 2017101385486**
  Patentee: Yang Yidi
  Inventor: Zhu Siyu, Yang Yidi
  Patent Name: An Evaluating and Decision-making Method of Advertising based on the Technology of Face Recognition and Big Data Mining

- **Software copyright No. 01656298**
  Copyright owner: Wuhan University
  Inventor: Zhu Siyu, Yang Yidi
  Software Name: An Expert System of Advertising based on the Technology of Face Recognition and Big Data Mining

- **National innovation Venture Project No. 20160486145**
  Project owner: Yang Yidi, Zhu siyu
  Project name: An Intelligent Solution of Electronic Billboards based on the Technology of Emotional Recognition and Deep Learning

COMPUTER SKILLS

- Languages: C/C++, Java, Objective-C, Swift, C#, HTML, CSS, JavaScript, Python, Haskell
- Operating System: UNIX, Windows 2010, 08, Mac OS
- Software: Microsoft Office, Xcode, Eclipse, MATLAB, Reveal, SourceTree, Visio Studio 2012, Pycharm, Sql Server, Unity3D, ArcGIS, Photoshop, Axure RP