Han Zexi

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Education Background

09/2012-06/2016	Beijing University of Posts and Telecommunications (BUPT), Beijing, China
Major:	Telecommunications Engineering with Management, Joint degree with Queen Mary University of London (QMUL)
Degree:	Bachelor of Science (Engineering)
GPA:	85.06/100.00

Research and Project Experience

02/2016-07/2016	*Developer,* **Person active track with unmanned aerial vehicle,** Beijing University of Posts and Telecommunications

●Made tests and research of the Active Track flying mode of DJI PHANTOM 4
●Performed experiments on object recognition with deep learning approach
●Whether you are running, cycling, skiing and more, the unmanned aerial vehicle could use our computer vision based object recognition system to track you as you go.

10/2015-02/2016	*Selected Representative,* **Design & Build Hack Camp,** Queen Mary University of London

●Attended the interesting and exciting robot tutorials given by the experts from the UK
●Teamed up with selected 10 British and 10 Chinese students to work on D&B Hack NAO Robot competition at EECS Electronics Lab of QMUL
Achievements:
●Our team won the Winning Team in the competition

08/2015-07/2016	*Intern,* **Image Feature Representation and Rapid Retrieval with Deep Neural Networks,** National Laboratory of Pattern Recognition at the Institute of Automation of the Chinese Academy of Sciences

●Mastered the Caffe deep learning framework
●Specified insights into basic mechanism and framework of convolutional neural network
●Created image feature learning based on convolutional neural network
●Applied the convolutional neural network to hash indexing of image features
●Performed image retrieval based on deep hashing encoding
●Used ALISC 5 million product image dataset, which consists of 10 high level concepts and 676 sub concepts
Achievements:

●Proposed a Three-stage Hybrid Image Retrieval Framework and achieved good mAP in each class

07/2015-08/2015   *Intern*, **Beijing ZTE Co-Exceed Co., Ltd**
●Got familiar with Communication Industry Standards and Processes
●Studied up and wrote the article *"Application of SDH" in* on *access network*

03/2015-04/2015   *Contestant,* **Design & Build Hack in London,** Queen Mary University of London
●Programmed four interesting ball games on the same theme but different styles in Java
●Created the sphere game controller with ADXL345 digital accelerometer at the basis of Arduino to control the games we designed
Achievements:
●Reached the chance to winter trip in London with the first placing

03/2015-06/2015   *Team Leader,* **Parking System Design Project,** Beijing University of Posts and Telecommunications
●Designed the layout and structure for the system in light of changes in the requirements
●Distributed assignments for 6 members as a team leader
●Co-worked with team members in design, coding and unit test of software modules
●Adopted best practices of development to realize the initial vision, made the software development report

07/2014-09/2014   *Team Leader,* **Electronic Keyboard Scientific Project,** Beijing University of Posts and Telecommunications
●Designed circuits according to the functional objectives
●Got better acquainted with the single chip microcomputer
Achievements:
●Won the chance of participating in Design & Build Hack in London

05/2014-05/2015   *Team Leader, Development of MEBO Visualized Microenvironment Monitoring System,* Beijing University of Posts and Telecommunications
●Allocated team works and designing the overall framework;
●Completed the embedded development and the network connecting with one another
●Realized the visualization design of indoor microenvironment
●Received wide acclaim in the innovation exhibition,
●Deputized for the team at innovation conference
Achievements:
●Scored A-Level in the check which won our team extra budget
●Won The Second Prize at innovation exhibition

Social & Extracurricular Activities

08/2014	Volunteered to work for the 13th China Internet Conference
03 /2014-04/2014	Took the Part-time work at Starbucks
09/2012-07/2013	Worked as Secretary of the Science and Technology Department, Student Union

●Offered video making services for student activities
●Organized and promoted Digital Competition (Photoshop, Video making and Photography competition)

Honors & Awards

09/2012-09/2015	The Third-Class Scholarship
05/2014-05/2015	The Second prize at Innovation exhibition
02/2016-02/2016	Winning Team in Design & Build Winter Hack

Skill Summary

● **Language:**	Mandarin –native
	English –fluent, TOEFL: 95
●**IT Skills:**	JAVA, MATLAB, C/C++, Python, HTML, Assembly language, Microsoft Office Suite, Caffe deep learning framework, Photoshop, Proteus, Eclipse, After Effects, Axure

Hobbies

● Karate

● Painting

● Going exhibitions