XIAOLONG ZHU

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EDUCATION

The University of Hong Kong (HKU) — Sep 2010 - Jan 2016
Ph.D. Candidate in Computer Science — *Hong Kong*

Peking University (PKU) — Sep 2006 - Jun 2010
B.Sc. in Intelligence Science and Technology — *Beijing, China*

RESEARCH EXPERIENCE

Department of Computer Science, HKU — Sep 2010 - *Present*
Research Student, Computer Vision Group — *Hong Kong*

· Analyze hand postures with machine learning models, *e.g.*, Random Forests, SVM, RBM and CNN;
· Cooperated with my colleagues on *facial landmark localization* and *depth from refraction*;
· Published six papers, one in submission, and presented my work on three international conferences.

Center for Information Science, PKU — Sep 2008 - Jun 2010
Undergraduate Research Assistant, 3DVCR Lab — *Beijing, China*

· Performed semantic labeling for range data obtained from an intelligent car in POSS group;
· Registered range data with image points by camera calibration;
· Published two papers in top conferences on Robotics.

WORK EXPERIENCE

Tencent TEG — Jul 2015 - Present
R&D Developer — *Shenzhen*

· Implemented CTC model for end-to-end speech recognition, collaborating with Weixin Speech Team;
· Worked on prototyping news recommendation using DNN model;
· Implemented a prototype of service robot based on ROS/Turtlebot.

Lenovo IVC Lab — Jun 2013 - Aug 2013
Research Intern — *Hong Kong*

· Innovated new ways of image searching for touch devices;
· Designed an image retrieval prototype and demonstrated it to CTO of Lenovo Group.

Microsoft Research Asia (MSRA) — Jun 2012 - Sep 2012
Research Intern, HCI Group — *Beijing*

· Cooperated with HCI researchers and designer on interaction design for gesture recognition;
· Designed and implemented a kinect prototype of in-air gesture recognition with visual feedback.

Youdao.com — Jun 2010 - Aug 2010
Software Engineer Intern, Mobile Group — *Beijing*

· Took charge of front-end development of web and WAP interface for an LBS application;
· Cooperated with web designers and back-end developers to put it online.

OTHER HIGHLIGHTS

Languages	Mandarin (*Native*), English (*Fluent*), Cantonese (*Basic*).
Technologies	Programming in: `Matlab`, `C/C++`, `JavaScript/HTML/CSS`; Basic Experience in: `Python`, `Java/C#`, `UNIX Shell`; Operating Systems: Mac OS X, Microsoft Windows.
Awards	Top 10 Undergraduate Theses, School of EECS in PKU, 2010; Third Prize, RoboCup Rescue, Hunan China, 2010; Wusi Scholarship in PKU, 2009; Outstanding Volunteer in Beijing 2008 Olympic Games, 2008; First Class Honor in China Physics Olympic Games, Gansu, 2006.
Activities	Member of Information Technology Committee of HKU, 2012-2014; IT Officer of Postgraduate Association (PGSA) of HKU, 2011-2013; Volunteer as Media Assistant for Journalists in Games of the XXIX Olympiad, 2008.
Interests	Gardening, Swimming, Football, Board Game, Hiking.