

MINGRUI ZHANG

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EDUCATION

BS, Computer Science and Technology Department of Computer Science and Technology, Tsinghua University GPA 90.9 (Top 20%) Minor in Journalism	2013 - 2017(expected)
Visiting Student, the Fluid Interfaces Group Media Lab, Massachusetts Institute of Technology Advised by Pattie Maes	2016.6 - Present
Exchange Student, Computer Science and Engineering The Chinese University of Hong Kong	2015.9 - 2015.12

HONORS & AWARDS

1 st winner of the National Database Conference Cup	2016
Top 4 projects - "Leap Touch", HACK SHANGHAI Hackthon	2015
Best note of Youdao Course Note Competition	2015
Best watch application award - "Pebble Mario", THACK Hackthon	2014

WORK EXPERIENCE

MailTime Inc. Beijing iOS Intern Redesigned interaction logic and UI, user tutorial and feedback, increased 25% of the user retention.	2016.2 - 2016.6
Chestnut Tech Inc. Beijing Co-founder, iOS Developer Main developer of "Parocam" application, UI design and product operation	2014.10 - 2016.1
Multimedia Lab, the Chinese University of Hong Kong Research Assistant Write experimental codes on machine learning, modified the CXXNET (a framework of deep learning) code and revised the convolutional layer of it. The result proved not applicable.	2015.6 - 2015.8

PUBLICATIONS

Yi, X., Yu, C., **Zhang, M.**, Gao, S., Sun, K., & Shi, Y. ATK: Enabling ten-finger freehand typing in air based on 3d hand tracking data. **UIST 2015**

PROJECTS

PAROCAM IOS APP @Chestnut Tech Inc. www.parocam.com A funny iOS app transforming images of human faces (such as stretching the mouth) in real time, using multithread face-detection tech based on GPU. Developed functions of Chat Bubbles, Video Merge. 20,000 downloads in App Store (with overall rating 4+).	2014.11 - 2016.1
SPAM DETECTING ON Q-A COMMUNITY @NDBC CUP'16 Designed a novel approach to detect spam answers in Q-A community. Using CNN and Word2Vec, with additional data pre-processing. F-value 66.0%.	2016.5 - 2016.6
VOICE++ DIGITAL DESIGN PROJECT A hardware project that can recognize one's voiceprint. Recognizing algorithm(MFCC) in Verilog. WM8731 Chip Programming, Audio receiving and Voice vector matching Algorithm. Accuracy: 90% in two people, 75% in three people. A demo on YouTube is available (search VOICE++).	2015.5 - 2015.6
DAN9 @ANNUAL STUDENT GALA OF CST, TSINGHUA Bullet Screen (danmaku) development for our major's annual gala. Built a server of Wechat public account, using PHP to connect to our address book system.	2014.7 - 2015.4

PRESS COVERAGE

NEXT 36Kr(2015) "Product of the day - Parocam"

Youdao(2015) "Winner of Youdao Course Note Competition"

RESEARCH INTEREST

Human Computer Interaction - Natural User Interface / Augmented Reality / Touching and Stylus

SKILLS

Programming

C/C++/C#/JavaScript/MATLAB/Objective-C/Python

Journalism

Chinese writing/Interview

Art & Media

Adobe Photoshop/Adobe Premiere/Final Cut Pro