

MINGRUI ZHANG

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EDUCATION

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

HONORS & AWARDS

- 1st 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** 2016.2 - 2016.6
iOS Intern
Develop several new functions of the app, re-design the UI of version 2.4, research on user-feedback
- Chestnut Tech Inc. Beijing** 2014.10 - 2016.1
Co-founder, iOS Developer
Main developer of "Parocam" application, UI design and product operation
- Multimedia Lab, the Chinese University of Hong Kong** 2015.6 - 2015.8
Research Assistant
Write experimental codes on machine learning, modified the CXXNET (a framework of deep learning) code and revised the convolutional layer of it.

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 2014.11 - 2016.1
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+).
- SPAM DETECTING ON Q-A COMMUNITY** @NDBC CUP'16 2016.5 - 2016.6
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%.
- VOICE++** DIGITAL DESIGN PROJECT 2015.5 - 2015.6
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++).
- DAN9** @ANNUAL STUDENT GALA OF CST, TSINGHUA 2014.7 - 2015.4
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.

PRESS COVERAGE

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

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

RESEARCH INTERST

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