

ZHAO Mingqian

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Address: Rm 3007, CYT Building, HKUST, Kowloon, Hong Kong

Education

Hong Kong University of Science and Technology, HK	08. 2015 - Current
<ul style="list-style-type: none">• Ph.D. candidate in Bioengineering Program, CBE Department• Supervisor: Prof. Huamin Qu• Research Area: Human Computer Interaction, Big Data Analytics, Augmented Reality	
Zhejiang University, Hangzhou, China	09. 2011 - 06. 2015
<ul style="list-style-type: none">• Honors Program: Chu Kochen Honors College• Major: B.Eng. in Biomedical Engineering• Minor: German	
Nanjing Foreign Language School, Nanjing, China	09. 2005 - 06. 2011

Research Experience

VIS Group in HKUST HCI Initiative	08. 2015 - Current
<ul style="list-style-type: none">• Mobile situated analytics of ego-centric network data• Mobile persuasive technology for the elderly• Visual analytics of Massive Online Opening Course (MOOC) data	<p>05. 2016 - 09. 2017</p> <p>06. 2016 - 09. 2016</p> <p>01. 2016 - 04. 2016</p>
Microfluidics Group in Biomedical Engineering, Zhejiang U.	09. 2015 - 05. 2016
<ul style="list-style-type: none">• Cell cultivation via cutting-edge microfluidics chips	
BCI Group in Qiushi Academy for Advanced Studies, Zhejiang U.	04. 2013 - 05. 2014
<ul style="list-style-type: none">• Rat-robots in Brain-Computer Interface (BCI), Neural Engineering	

Selected Project

Mobile situated analytics of ego-centric network data	05. 2016 - 09. 2017
<ul style="list-style-type: none">• Mobile systems for on-site data analytics• Augmented Reality	
Mobile persuasive technology for the elderly	06. 2016 - 09. 2016
<ul style="list-style-type: none">• Tangible interface design study• Intergenerational communication• Psychological implication on different user groups	
Visual analytics of Massive Online Opening Course (MOOC) data	01. 2016 - 04. 2016
<ul style="list-style-type: none">• Predictive analytics of MOOC online learning sequences	

Publication

- **Mingqian Zhao**, Yijia Su, Jian Zhao, Shaoyu Chen, and Huamin Qu, "Mobile Situated Analytics of Ego-Centric Network Data", *SIGGRAPH ASIA Symposium on Visualization*, 2017.
- **Mingqian Zhao**, Zhutian Chen, Ke Lu, Chaoran Li, Huamin Qu, and Xiaojuan Ma, "Blossom: a Tangible Voice Messaging System for Improving Intergenerational Communication for Ageing Population", *Presented at ACM CHI*, Denver, CO, May 2017.
- **Mingqian Zhao**, Zhutian Chen, Ke Lu, Chaoran Li, Huamin Qu, and Xiaojuan Ma,

"Blossom: Design of a Tangible Interface for Improving Intergenerational Communication for the Elderly", *International Symposium on Interactive Technology and Ageing Populations (ITAP)*, 2016.

- Yuanzhe Chen, Qing Chen, **Mingqian Zhao**, Sebastien Boyer, Kalyan Veeramachaneni, and Huamin Qu, "DropoutSeer: Visualizing Learning Patterns in Massive Open Online Courses for Dropout Reasoning and Prediction", *IEEE Visual Analytics Science and Technology (VAST)*, 2016.
- Hong Zhou, Yechao Han, **Mingqian Zhao**, Lee Ji Chao Tristan, and Kedi Xu, "Use of non-reward based electrical stimuli of the ventral posteromedial thalamic nucleus to control the turning behavior of rat motor navigation", *Multisensor Fusion and Information Integration for Intelligent Systems (MFI), 2014 International Conference on* (pp. 1-9). IEEE.

Internship

Full Time Internship in Hangzhou Hospital of TCM

07. 2014 – 08. 2014

- Internship about Medical Instruments operation and maintenance

Academic Service

ACM SIGCHI 2018 Conference Reviewer

10. 2017

Award

- 2015-2019 Hong Kong PhD Fellowship Scheme (HKPFS)
- 2013-2014 Microsoft Research Asia Young Fellow Scholarship Award
- 2013-2014 Second-Class Scholarship for Outstanding Student
- 2013-2014 Excellent Student Award
- 2012-2014 Texas Instruments Scholarship for Outstanding Students twice
- 2012-2014 Second-Class Scholarship for Outstanding Merits twice
- 2011-2012 Third-Class Scholarship for Outstanding Merits

Skill & Interest

- Programming: Python, R, HTML, CSS, Javascript, Matlab
- Web Development: D3.js
- Tools: MongoDB, WebGL, Protel, Quartus
- Prototyping: Adobe Illustrator, Adobe Photoshop
- Interest: Piano (10th grade in Mainland China), Vocality, Flute