

HANFEI REN

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EDUCATION

University of California, Berkeley	Berkeley, CA, USA
Master of Engineering, Electrical Engineering and Computer Science	Expected 05/2019
Zhejiang University	Hangzhou, Zhejiang, China
Bachelor of Engineering, Digital Media Technology (<i>GPA: 3.88</i>)	09/2014-06/2018
Bachelor of Engineering, Industrial Design (<i>GPA: 3.93</i>)	09/2014-06/2018
National University of Singapore	Singapore
Study Abroad. Coursework in Computer Science.	01/2017-05/2017

EXPERIENCE

R&D Institution, Lingdi Fashion Company, Hangzhou, Zhejiang, China	03/2018-06/2018
AI Research Intern	
<ul style="list-style-type: none">Proposed and implemented image retrieval algorithms for clothing and fabrics with Caffe.Designed and developed an intelligent human body measurement system using TensorFlow.	
Cascade Lab, University of Illinois, Urbana-Champaign, IL, USA	07/2017-10/2017
Research Assistant (<i>Advisor: Prof. Wai-tat Fu</i>)	
<ul style="list-style-type: none">Engaged in developing <i>Cubicle</i>, an adaptive educational gaming platform with multiple game modules to effectively train students' spatial visualization skills.Designed, coded and tested 3 out of 8 game modules for different components of spatial visualization.Publication: Ziang Xiao, Helen C Wauck, Zeya Peng, Hanfei Ren, Lei Zhang, Shiliang Zuo, Yuqi Yao, Wai-tat Fu. 2017. An Adaptive Educational Gaming Platform for Training Spatial Visualization Skills. <i>the 23rd International Conference on Intelligent User Interfaces (IUI '18)</i>	
Department of Computer Science, National University of Singapore, Singapore	01/2017-05/2017
Research Assistant (<i>Advisor: Prof. Brian Y. Lim</i>)	
<ul style="list-style-type: none">Engaged in developing TasteHealthy, a mobile app for easy logging and recommendation of tasty and healthy food.Designed and implemented a RESTful API with Flask for health evaluation and intake recommendation.Implemented an advanced function of nutrition value retrieval.	

PROJECTS

Selfie Camera and Visual Platform Design	09/2016-04/2017
Industry-University Collaboration Program between CASIO and Zhejiang University	
<ul style="list-style-type: none">Worked with designers from CASIO to design selfie cameras and visual communication platforms.Conducted user research, built personas and scenarios, and prototyped the products.	

SKILLS

Technologies: Python, C/C++, Android, Unity, Matlab, Linux, HTML, CSS, JavaScript, SQL, Qt, Arduino.
Design: User Research, Prototyping, Usability Testing.
Tools: PhotoShop, Sketch, Rhinoceros, Keyshot, Maya, Trello.