

HANFEI REN

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EDUCATION

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

EXPERIENCE

- R&D Institution, Lingdi Fashion Company, Hangzhou, Zhejiang, China** **03/2018-06/2018**
AI Research Intern
- Proposed and implemented image retrieval algorithms for clothing and fabrics based on the integration of different features using OpenCV and Caffe.
 - Designed and developed an intelligent human body measurement system using DNN regressor with TensorFlow.
- Cascade Lab, University of Illinois, Urbana-Champaign, IL, USA** **07/2017-10/2017**
Research Assistant (Advisor: Prof. Wai-tat Fu)
- Developed *Cubicle*, 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 with Unity.
 - Recorded players' in-game behavior with high granularity and provided automated, scalable feedback on players' problem-solving strategies.
 - 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. *the 23rd International Conference on Intelligent User Interfaces (IUI '18)*

PROJECTS

- Tastehealthy** - mobile app for easy logging and recommendation of tasty and healthy food **01/2017-05/2017**
Department of Computer Science, National University of Singapore, Singapore (Advisor: Prof. Brian Y. Lim)
- Independently designed and implemented a RESTful API with Flask for health evaluation, intake recommendation and food nutrition retrieval.
- CASIO Industry-University Collaboration Program** – selfie camera and visual platform design **09/2016-04/2017**
International Design Institute, Zhejiang University, Hangzhou, Zhejiang, China
- Worked with designers from CASIO to design selfie cameras and visual communication platforms.
 - Conducted user research through analysis on popular selfies and interviews, to determine photo composition and remote communication as key points.
 - Built personas and scenarios for the final products. Made prototypes by Sketch, Rhinoceros and Keyshot.

SKILLS

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