HANFEI REN

2116 Allston Way, Apt 212, Berkeley, CA 94704
hanfei_ren@berkeley.edu * 510.944.9658 * www.hanfei.ren
www.linkedin.com/in/hanfeiren/

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**
Exchange Student, 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 Institue, 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.