Yuan Ren

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eowynren.github.io

EDUCATION

Graduate Student, Electronic Engineering & Computer Science Sep. 2019 - Now
University of California, Merced, CA
Research Area: interaction input on wearable devices, Haptics Feedback

Master of Science, Computer Science Jan. 2015 - Dec. 2016
University of Southern California, Los Angeles, CA
Courses: Algorithm Design, Operating System, Web Technology, Intro to Artificial Intelligence, Database System

Bachelor of Engineering, Software Engineering Sep. 2010 - Jul. 2014
Beijing Jiaotong University, Beijing, China
Courses: Data Structure, Operating System, Distributed Systems, Software Testing, Java EE Web Development

EXPERIENCE

University of California, Merced: Teaching Assistant Sep. 2019 - Now
- CSE 021 Introduction to Computing II

University of California, Merced: Assistant Specialist May. 2018 - Aug 2019
- Researched on fast navigation and target selection on flexible mobile devices

RESEARCH PROJECTS

Stepper, Gesture, Tilt, Force: Comparative Evaluation of Four Number Pickers for Smartwatches Mar. 2019 - Nov. 2019
- This project proposed three new methods based on gesture, tilt and force touch to enable number picking on smartwatches. Comparative user studies evaluate three new methods with native Apple .

Slice: Force Sensitive Keyboard for smartwatches (onging) Dec. 2019 - Aug. 2020
- This project proposed layered miniature keyboard leveraging force to input non-dictionary word. Users are able to enter text in world-level or character-level. An hybrid input method is also enabled to support richer input experience.

Ultrasound haptic feedback for VR keyboard (onging) Sep. 2019 - Now
- This project faciliate VR text input by providing ultrsound haptic feedback to users.

Awards and Scholarships

Summer EECS Bobcat Fellowship at UC Merced $6502 2020

Third study scholarship in Beijing Jiaotong University $100 2012

Presentations and Demonstrations

Present a work *Slice: Force Sensitive Keyboard for smartwatches* on Sen. Jim Costa's visit 2020 Merced, CA, United States

Courses Token

Advanced Human-Computer Interaction (HCI), Software Architecture, Advanced Mobile Device and Game Consoles, Computer Networks, GameProbability Theory and Mathematical Statistics, Introduction to Digital Media, Analysis Scientific Writing and Presentation Skill