Jianhui YAN

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EDUCATION

M.S. Electronic Information Engineering   09/2022 – present
School of Electronic and Information Engineering,South China University of Technology   Guangzhou, China
Research advisor: Prof. Lin Shu 🔗

B.S. Information Engineering   09/2018 – 06/2022
School of Electronic and Information Engineering, South China University of Technology   Guangzhou, China
GPA:3.71/4.0 Ranking: 3/16

RESEARCH INTERESTS

Interfaces in Human Computer Interaction
Gestural Interaction in Spatial Computing; Tactile and Kinesthetic Rendering by Electrical Muscle Stimulation

Human-centered Computing in AR/VR
User Centered Design; Proprioceptive Feedback; Embodiment; Deep Learning in Human Computer Interaction

PROJECTS

2022 Chinese National Natural Science Foundation   10/2022 – present
Highly immersive natural human-computer interaction system with multi-channel
integration of audio,visual and haptic
- took advantage of deep learning technique and data glove to perform gesture recognition
- discovered the potential of combining electrical muscle stimulation with gestural
  interaction
- proposed an immersive interaction system providing proprioceptive, tactile and visual
  feedback

China Electronics Society-Tencent Robotics X Rhinoceros Bird Special Research Plan   09/2022 – 09/2023
(2022)
Research on wearable kinesthetic/tactile composite rendering technology based on
microcurrent stimulation
- proposed a highly reproducible electrode placement based on hand anatomy to render
  kinesthetic to all five fingers.
- successfully induced users to pose a variety of gestures by electrical muscle stimulation

AWARDS

2020 National Undergraduate Mathematical Contest in Modeling   09/2020
Second Prize of Guangdong Province

2020 Guangdong Undergraduate Electronic Design Competition   11/2020
Second Prize

Scholarship
National Inspirational Scholarship,Second-class scholarship of university,
2020 "Hongping Evergreen Fund" student science and technology innovation third-class
scholarship (2 items), Lixin Stipend

LANGUAGES

English	**Mandarin**	**French**
IELTS: 7	Native	Elementary proficiency(A2)

SKILLS

Computer Skills
Python,Matlab, C#,C++,VHDL

Developer tools
VScode,Unity3D,Visual Studio,Opensim,Multism,Quartus,