WEI-HSIN WANG

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EDUCATION

National Taiwan University — 2019-Present
Department of Electrical Engineering, Senior year

RESEARCH EXPERIENCE

Intern at Academia Sinica — June 2021 - August 2021
- Assisted in the research on 5G technology at the national academy.

HCI lab (Human-Computer Interaction Laboratory) — September 2021 - Current
- Conducted research on perception, haptics, and VR/MR technology.
- (under review) Understand vibrotactile feedback of impact properties on HMDs
- (under review) Amplify haptic feedback using novel mechanism
- (in preparation) Investigate human perception of airflow direction

WORK EXPERIENCE

Academic Director of the NTUEE Student Association — July 2021 - June 2022
- Organized a group of 80 people.
- Facilitated and coordinated all activities of the academic affairs such as course enrollment, lab workshop, speeches, machine maintenance, independent projects, etc.

Director of NTUEE Light Dance — November 2021 - March 2022
- Organized a group of 50 people.
- Coordinated technical teams (hardware, software, props, costume) responsible for circuit design, power analysis, optical fiber and LED lighting, software development, etc.

Intern at g0v (an open source, decentralised civic tech NGO) — February 2022 - May 2022
- Help arrange hackathon events.
- Assisted in the frontend web development.

SIGGRAPH student volunteer — July 2022 - August 2022
- Assisted in pre-conference work that requires technical knowledge in HCI.

Covid-19 Automatic Thermometer Repair Team — September 2020 - January 2021
- Carried out routine maintenance of the campus-wide Covid-19 auto-thermometers.

PUBLICATIONS

Wei-Hsin Wang, Hong-En Chen, Mike Y. Chen, UltraBat: An Interactive 3D Side-Scrolling Game using Ultrasound Levitation, UIST (2022)

SKILLS

Programming Language	Python, R
2D & 3D design	AutoCAD, Fusion 360
Hardware & IoT	Arduino, Raspberry Pi, ESP modules
Machinery	Laser cutting, 3D printing
Media	Photoshop, Illustrator, Premiere Pro, Blender, Unity
English proficiency	TOEFL 115

SCHOLARSHIP

Grace Hopper Celebration Scholarship	2022
Yu-Lin Talent Scholarship	2022