

WEI-HSIN WANG

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EDUCATION

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

Intern at Academia Sinica - Assisted in the research on 5G technology at the national academy.	June 2021 - August 2021
HCI lab (Human-Computer Interaction Laboratory) - Conducted research on perception, haptics, and VR/MR technology.	September 2021 - Current

WORK EXPERIENCE

Academic Director of the NTUEE Student Association - 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.	July 2021 - June 2022
Director of NTUEE Light Dance - 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.	November 2021 - March 2022
Intern at g0v (an open source, decentralised civic tech NGO) - Help arrange hackathon events. - Assisted in the frontend web development.	February 2022 - May 2022
SIGGRAPH student volunteer - Assisted in pre-conference work that requires technical knowledge in HCI.	July 2022 - August 2022
Covid-19 Automatic Thermometer Repair Team - Carried out routine maintenance of the campus-wide Covid-19 auto-thermometers.	September 2020 - January 2021

PUBLICATIONS

Wei-Hsin Wang, Hong-En Chen, Mike Y. Chen, UltraBat: An Interactive 3D Side-Scrolling Game using Ultrasound Levitation, UIST (2022)
(under review) Understanding vibrotactile feedback of impact properties on HMDs
(under review) Amplifying haptic feedback using novel mechanism
(in preparation) Altering Human Perception of Airflow Direction

SKILLS

Programming Language	Python
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