# Ching-Wen Hung 洪靖雯

PhD student

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## **Education**

Mar. 2020 - Ph.D. student, Graduate Institute of Networking and Multimedia

current National Taiwan University, Taipei, Taiwan

Communications and Multimedia Lab

Advisor: Prof. Bing-Yu Chen

Sept. 2018 - M.S., Department of Information Management

Feb. 2020 National Taiwan University, Taipei, Taiwan

Communications and Multimedia Lab

Advisor: Prof. Bing-Yu Chen

Sept. 2014 - B.S., Department of Information Management

June 2018 National Central University, Taoyuan, Taiwan

### **Publications**

2020 ElastOscillation: 3D Multilevel Force Feedback for Damped

Oscillation on VR Controllers (accepted)

Hsin-Ruey Tsai, **Ching-Wen Hung**, Tzu-Chun Wu, Bing-Yu Chen

CHI 2020 paper

2020 Demonstration of ElastOscillation: A VR Controller Providing
3D Multilevel Feedback for Damped Oscillation (accepted)

3D Multilevel Feedback for Damped Oscillation (accepted)

Ching-Wen Hung, Tzu-Chun Wu, Hsin-Ruey Tsai, Bing-Yu Chen

CHI 2020 demo

# **Experiences**

2019 TAICHI 2019 Student Volunteer Program

2018 Advantech (研華科技) IoT Solution Internship, RD Engineer

2014 - 2018 NCU Information Management Dept.'s student programming team leader

(中央資管大數據暨程式研究社幹部)

NCU freshman website programming team member

(中央大學新生資訊網程式設計組組員)

NCU Department of Atmospheric Sciences network manager

(中央大學大氣系網管)

NCU game creator club member

(中央大學創遊社社員)

#### **Awards**

2015 - 2016 Academic Excellence Awards (NCU 2015-1, 2015-2, 2016-1 semesters)

# Language

English, Chinese (native)

## **Software Skills**

- Python \ C# \ Java
- Unity 2D & 3D
- Arduino \ Raspberry Pi 3 \ Processing \ 123D Design
- HTML5 \ CSS \ JS(JQUERY) \ NodeJS \ PHP \ MySQL
- Android
- Adobe Premiere pro

#### **Hardware Skills**

- Prototyping using Arduino with various sensors and actuators
- Raspberry Pi 3
- 3D Printing
- Laser Cutting

#### **Research Interests**

Human-Computer Interaction (HCI), Haptic Interface, VR/AR, Tangible User Interface (TUI), Digital Fabrication