

## doctoral consortium doctoral consortium anywhere, anytime **Shan-Yuan Teng** THE UNIVERSITY OF CHICAGO

## motivation

as personal computing evolves towards mobile, why are haptic devices falling behind?





harvest for haptics UIST '22 honorable mention



overcome large actuators & large power consumption



## touch&fold CHI '21 honorable mention



overcome interference with other physical tasks



## constrained to space

anywhere, anytime

selected publications

Prolonging VR haptic experiences by harvesting kinetic energy from the user Teng, et al. UIST '22, honorable mention award



2 touch&fold: a foldable haptic actuator for rendering touch in mixed reality Teng, et al. CHI '21, honorable mention award



see more: tengshanyuan.info

