

Yudai Tanaka

PhD student at University of Chicago
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Education

University of Chicago Ph.D. Student in Computer Science, Advisor: Dr. Pedro Lopes	09/2020 – Present <i>Chicago, United States</i>
University of Tokyo Bachelor of Engineering in System Innovation, Advisor: Dr. Gjergj Dodbiba	04/2015 – 03/2020 <i>Tokyo, Japan</i>
National University of Singapore Exchange Student in University-Wide Student Exchange Program	08/2017 – 05/2018 <i>Singapore</i>

Research and Work Experience

Human Computer Integration Lab , University of Chicago Research Assistant	09/2020 – Present <i>Chicago, United States</i>
UCLA HCI Research , University of California, Los Angeles VR/Haptics Specialist (Ex-Intern) advised by Dr. Xiang 'Anthony' Chen	07/2019 – 11/2020 <i>Los Angeles, United States</i>
SMU HCI Research , Singapore Management University Research Intern advised by Dr. Kotaro Hara	01/2019 – 04/2019 <i>Singapore</i>
Information Somatics Lab , University of Tokyo Research Intern advised by Dr. Masahiko Inami	06/2018 – 12/2018 <i>Tokyo, Japan</i>

Full Paper Publications

DualVib: Simulating Haptic Sensation of Dynamic Mass by Combining Pseudo-Force and Texture Feedback. *In Proc. VRST' 20*, pg. 1-10. **Yudai Tanaka**, Arata Horie, Xiang 'Anthony' Chen. Acceptance Rate: 26.5%.

Poster/Demo Publications

BulkScreen: Saliency-Based Automatic Shape Representation of Digital Images with a Vertical Pin-Array Screen. *In Proc. TEI' 20*, pg. 461-466. **Yudai Tanaka**, Arakawa Riku, Hiromu Kawarasaki, Kiyosu, Maeda.

A Formative Study for Record-time Manual Annotation of First-person Videos. *In Proc. MobileHCI' 19*, pg. 1-6.

Yudai Tanaka, Sohei Wakisaka, Masahiko Inami. **Best Poster Award Honorable Mention**

Honors and Awards

Daniels Fellowship (award for selected incoming Ph.D. students) One-time stipend of USD 15,000.	2020
Nakajima Foundation Overseas Scholarship (Japanese Ph.D. fellowship, acceptance rate: 9%) Monthly stipend of JPY 200,000 (\approx USD 1,800) for two years.	2020
Best Poster Award Honorable Mention at ACM MobileHCI 2019	2019

Teaching

Teaching Assistant CMSC 33240: Emergent Interface Technologies, University of Chicago	Winter 2021
CMSC 20300: Introduction to Human Computer Interaction, University of Chicago	Fall 2020

Service

Reviewing MobileHCI (Papers), IEEE VR (Journal Papers), CHI (Interactivity), EICS (Late Breaking Works)	2021
CHI (Papers) with special recognition for outstanding reviews	2020

Technical Skills

Programming Languages: C++, C, Python
Software Tools: Unity, TouchDesigner, OpenFrameworks, MATLAB, R
Hardware Tools: Kicad, Arduino, Rhinoceros