



Chia-Ming CHANG Ph.D.

Interaction Designer & HCI Researcher

✉ info@chiamingchang.com 🌐 www.chiamingchang.com

Profile

I grew up in Taipei and have lived in the UK for over 7 years (0.5 year in Finland). Currently, I have been living in Tokyo for around 6 years. I am an interaction designer and HCI researcher with interdisciplinary experiences from multiple countries 🇯🇵 🇫🇮 🇬🇧 🇹🇼. Since obtaining my Ph.D. in 2016, I have focused on conducting research in designing UI & UX for AI, particularly in the areas of self-driving cars and data annotation (machine learning).

Professional Experiences

Project Lecturer (Project Assistant Professor, 2020.03 - 2021.12)

IGARASHI Lab, Dept. of Creative Informatics, The University of Tokyo

- [JST ACT-X](#), 2021-24 (a grant award for young researchers in Japan)

- [AIP Challenge Researcher](#), 2020-21 (a grant award for young researchers in Japan)

I am working on UI and UX for AI, particularly in the area of autonomous cars and machine learning (data annotation).

Tokyo, Japan

2020.03 - present

Assistant Professor

Dept. of Communication and Technology, National Chiao Tung University

- [MOST Special Outstanding Talent Award, 2018 \(New Faculty Award in Taiwan\)](#)

I created the [Future Interaction Lab](#) where we worked on future interfaces for human-AI communication from a design perspective.

Hsinchu, Taiwan

2018.08 - 2020.01

Postdoctoral Researcher

IGARASHI Lab, Dept. of Creative Informatics, The University of Tokyo

I worked on interface design for effective interaction between an autonomous car and a pedestrian.

Tokyo, Japan

2016.10 - 2018.07

Visiting Researcher

Aalto Media Lab, School of Art, Design & Architecture, Aalto University

I worked on mobile interaction design for specific user groups (e.g., deaf/hard of hearing and the elderly).

Helsinki, Finland

2015.09 - 2016.02

Education

Nottingham Trent University

PhD in Interaction Design, School of Art & Design [[PhD Scholarship Award](#)]

My PhD project "[Talk2Me](#)" received several design awards in 2015.

Nottingham, UK

2011.05 - 2016.09

University of the Arts London

MA in Interactive Media, London College of Communication

London, UK

2005.10 - 2006.09

National Taiwan University of Arts

BA in Visual Communication Design, College of Design

Taipei, Taiwan

1998.09 - 2002.06

Publications

| [Google Scholar \(440 citations\)](#)

| 1 book chapter; 29 peer-reviewed journal/conference papers; 12 peer-reviewed posters/demos

Three Main Papers

Can Eyes on a Car Reduce Traffic Accidents?

| [C.M. Chang](#), K.Toda, X. Gui, S.H. Seo and T. Igarashi

| AutomotiveUI 2022 [cited by 23, Google Scholar] *received more than 50 media coverage

Spatial Labeling: Leveraging Spatial Layout for Improving Label Quality in Non-Expert Image Annotation

| [C. M. Chang](#), C. H. Lee and T. Igarashi

| CHI 2021 [cited by 19, Google Scholar]

Eyes on a Car: an Interface Design for Communication between an Autonomous Car and a Pedestrian

| [C.M. Chang](#), K.Toda, D. Sakamoto and T. Igarashi

| AutomotiveUI 2017 [cited by 227, Google Scholar] *Red Dot Award: Design Concept 2017, Shortlisted

Grants

| JST ACT-X, Japan, 2021-24

| AIP Challenge Researcher, Japan, 2020-21

| MOST Research Grant, Taiwan, 2019-21

Design Awards

| A' Design Award & Competition, Silver Winner. 2015

| iF Student Design Award, Shortlisted. 2015

| IxDA Interaction Awards, Shortlisted. 2015

Teaching

| Interaction Design, 2018-20, NCTU, Taiwan

| Innovation & Design, 2018-19, NCTU, Taiwan

| Student Thesis, 2018-20, NCTU, Taiwan

| Student Thesis, 2020-now, UTokyo, Japan

Professional Services

| Chair: AutoUI 2023

| Program Committee: CHI 2023-24; AutoUI 2021-2023

| Reviewer: CHI 2018, 2021-2024; AutoUI 2020-2023;

MobileHCI 2019, 2021; DIS, 2019, 2022

Skill

| UI Design & UX Research

| User Study & Usability Evaluation

| Quantitative & Qualitative Analysis

Software

| 2D & Web:   

| Animation & Video:   

| 3D & VR/AR:  

Language

| English (professional)

| Chinese (native)

| Japanese (basic+)

References

| Prof. Takeo Igarashi (*my post-doc supervisor & current boss*), The University of Tokyo, Japan, takeo@acm.org

| Prof. Kumiyo Nakakoji (*my ACT-X supervisor*), Future University Hakodate, Japan, kumiyo@fun.ac.jp

| Prof. David Downes (*my Ph.D. supervisor*), Nottingham Trent University, UK, david.downes02@ntu.ac.uk