Riku Arakawa

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I envision AI not as a tool that waits for our requests, but as **a partner that senses our everyday lives and knows when and how to step in to empower us**, even amid noisy sensing and evolving needs. My research bridges ubiquitous sensing, human–AI interaction, and computational modeling, grounded in healthcare deployments. This includes (1) machine perception robust to uncertainty; (2) interaction policies that balance AI initiative with human agency; and (3) a science of long-term human–AI co-adaptation.

Two health AI assistants I developed have been deployed at **four clinical sites across the US and Europe**, serving **more than 300 patients and families**: post-operative care for skin cancer patients (NSF-funded), daily activities for people living with dementia (Longitude Prize on Dementia), and family-centered care for children with ADHD-related hyperactivity (NIMH-funded, with commercialization in preparation). I also led the industry transfer of my behavior-sensing system, used by therapy and coaching companies in Japan for over six years across more than 1,000 sessions.

I have published **35+ peer-reviewed full papers** (11 ACM CHI, 4 UIST, 6 IMWUT), receiving a **CHI Best Paper Award** and **four Honorable Mention Awards** (top 1% and 5% of submissions). I also received the **ACM UbiComp/ISWC Gaetano Borriello Outstanding Student Award** (one per year), the **IEEE Pervasive Computing Emerging Rockstar** (first student recipient), **Forbes Asia 30 Under 30**, and **MIT Technology Review Innovators Under 35 Japan**.

Education

Carnegie Mellon University, Ph.D. in Human-Computer Interaction — 2021 – 2027 (expected)
Human-Computer Interaction Institute · Advisor: Dr. Mayank Goel — *Pittsburgh, PA, USA*

The University of Tokyo, M.S. in Information Physics & Computing — 2019 – 2021
GPA 4.0/4.0, Dean's Award · Advisor: Dr. Masahiko Inami — *Tokyo, Japan*

The University of Tokyo, B.E. in Mathematical Engineering & Information Physics — 2015 – 2019
GPA 3.89/4.0 · Advisors: Dr. Hiroshi Saruwatari and Dr. Shoichi Koyama — *Tokyo, Japan*

Selected Honors and Awards

AWARDS AND RECOGNITION

Emerging Rockstar, IEEE Pervasive Computing — 2026
Gaetano Borriello Outstanding Student Award, ACM UbiComp/ISWC — 2025
Best Doctoral Colloquium Contribution Award, ACM UbiComp/ISWC — 2025
MIT Technology Review Innovators Under 35 Japan (Computing) — 2025
Young Researcher, 12th Heidelberg Laureate Forum — 2025
Forbes Asia 30 Under 30 (Healthcare & Science) — 2024
Best Paper and Best Presentation Awards, ACM UbiComp/ISWC HASCA Workshop — 2024
Best Paper Honorable Mention Award ($\times$4), ACM CHI — 2021, 2023, 2026 ($\times$2)
Honorable Case Study Recognition, ACM CHI — 2023
Dean's Award, The University of Tokyo — 2021
Best Paper Award, ACM CHI — 2020

FELLOWSHIPS AND FUNDING

Secured over $500k in fellowships and research grants as the lead applicant.

Quad Fellowship — 2024
Center for Machine Learning and Health Fellowship, Carnegie Mellon University — 2023
Snap Research Fellowship, Snap Inc. — 2022
Masason Foundation — 2022 – 2026
Funai Foundation — 2021 – 2022

Professional Experience

Meta, Research Intern — 2024
Wearable AI research, mentored by Dr. Julian Ramos and Dr. Eiji Hayashi — *New York, USA*

Google, Research Intern — 2023
Sound processing research, mentored by Dr. Mathieu Parvaix and Dr. Alex Olwal [C.18] — *California, USA*

Snap, Research Intern — 2022
EMF sensing research, mentored by Dr. Bing Zhou and Dr. Shree K. Nayar [J.6] — *New York, USA*

Publications

ACM CHI, UIST, PACM IMWUT (presented at ACM UbiComp/ISWC), and PACM HCI (presented at ACM CSCW and MobileHCI) are the premier fully peer-reviewed, archival venues in HCI and ubiquitous computing, with acceptance rates around 20–28%; in computer science, such papers are the primary form of publication. * denotes equal contribution.

PEER-REVIEWED JOURNAL PAPERS

[J.10] OrganicHAR: Towards Activity Discovery in Organic Settings for Privacy Preserving Sensors using Efficient Video Analysis
Prasoon Patidar, **Riku Arakawa**, Ricardo Graça, Rúben Moutinho, Adriano Soares, Ana Vasconcelos, Filippo Talami, Joana Couto da Silva, Inês Silva, Cristina Mendes Santos, Mayank Goel, Yuvraj Agarwal. ***PACM IMWUT 2025*** (UbiComp '26).

[J.9] UbiLearn: Supporting English-as-a-Foreign-Language Learners in Reflecting on Conversations Using a Smartwatch
Riku Arakawa, Manami Nakagawa, Hiromu Yakura. ***PACM HCI 2025*** (MobileHCI '25).

[J.8] ConverSearch: Supporting Experts in Human Behavior Analysis of Conversational Videos with a Multimodal Scene Search Tool
Riku Arakawa*, Kiyosu Maeda*, Hiromu Yakura*. ***ACM TiiS 2024***.

[J.7] PrISM-Q&A: Step-Aware Voice Assistant on a Smartwatch Enabled by Multimodal Procedure Tracking and Large Language Models
Riku Arakawa, Jill Fain Lehman, Mayank Goel. ***PACM IMWUT 2024*** (UbiComp '25).

[J.6] MI-Poser: Human Body Pose Tracking using Magnetic and Inertial Sensor Fusion with Metal Interference Mitigation
Riku Arakawa, Bing Zhou, Gurunandan Krishnan, Mayank Goel, Shree K. Nayar. ***PACM IMWUT 2023*** (UbiComp '23).

[J.5] LemurDx: Using Unconstrained Passive Sensing for an Objective Measurement of Hyperactivity in Children with no Parent Input
Riku Arakawa, Karan Ahuja, Kristie Mak, Gwendolyn Thompson, Sam Shaaban, Oliver Lindhiem, Mayank Goel. ***PACM IMWUT 2023*** (UbiComp '23).

[J.4] PrISM-Tracker: A Framework for Multimodal Procedure Tracking Using Wearable Sensors and State Transition Information with User-Driven Handling of Errors and Uncertainty
Riku Arakawa, Hiromu Yakura, Vimal Mollyn, Suzanne Nie, Emma Russell, Dustin P. DeMeo, Haarika A. Reddy, Alexander K. Maytin, Bryan T. Carroll, Jill Fain Lehman, Mayank Goel. ***PACM IMWUT 2022*** (UbiComp '23).

[J.3] VoLearn: A Cross-Modal Operable Motion-Learning System Combined with Virtual Avatar and Auditory Feedback
Chengshuo Xia, Xinrui Fang, **Riku Arakawa**, Yuta Sugiura. ***PACM IMWUT 2022*** (UbiComp '22).

[J.2] Predicting Winners and Losers under Time-Of-Use Tariffs Using Smart Meter Data
Yohei Kiguchi, Melvyn Weeks, **Riku Arakawa**. ***Energy 2021***.

[J.1] Reaction or Speculation: Building Computational Support for Users in Catching-Up Series Based on an Emerging Media Consumption Phenomenon
Riku Arakawa*, Hiromu Yakura*. ***PACM HCI 2021*** (CSCW '21).

PEER-REVIEWED CONFERENCE PAPERS

[C.26] TransfHAR: Self-Supervised Wrist Representations for On-Demand Activity Recognition
Aidan Bradshaw, **Riku Arakawa**, Xin Liu, Karan Ahuja. In Proc. ***ACM UIST 2026***.

[C.25] CalmReminder: A Design Probe for Parental Engagement with Children with Hyperactivity, Augmented by Real-Time Motion Sensing with a Watch
Riku Arakawa*, Shreya Bali*, Anupama Sitaraman, Woosuk Seo, Sam Shaaban, Oliver Lindhiem, Traci M. Kennedy, Mayank Goel. In Proc. ***ACM CHI 2026***.

[C.24] Evidotes: Integrating Scientific Evidence and Anecdotes to Support Uncertainties Triggered by Peer Health Posts
Shreya Bali, **Riku Arakawa**, Peace Odiase, Sherry Wu, Mayank Goel. In Proc. ***ACM CHI 2026***.
Best Paper Honorable Mention (top 5%)

[C.23] HiFiGaze: Improving Eye Tracking Accuracy Using Screen Content Knowledge
Taejun Kim, Vimal Mollyn, **Riku Arakawa**, Chris Harrison. In Proc. ***ACM CHI 2026***.
Best Paper Honorable Mention (top 5%)

[C.22] Scaling Context-Aware Task Assistants that Learn from Demonstration and Adapt through Mixed-Initiative Dialogue
Riku Arakawa, Prasoon Patidar, Will Page, Jill Fain Lehman, Mayank Goel. In Proc. ***ACM UIST 2025***.

[C.21] IMUCoCo: Enabling Flexible On-Body IMU Placement for Human Pose Estimation and Activity Recognition
Haozhe Zhou, **Riku Arakawa**, Yuvraj Agarwal, Mayank Goel. In Proc. ***ACM UIST 2025***.

[C.20] PrISM-Observer: Intervention Agent to Help Users Perform Everyday Procedures Sensed using a Smartwatch
Riku Arakawa, Hiromu Yakura, Mayank Goel. In Proc. ***ACM UIST 2024***.

[C.19] Coaching Copilot: Blended Form of an LLM-Powered Chatbot and a Human Coach to Effectively Support Self-Reflection for Leadership Growth
Riku Arakawa*, Hiromu Yakura*. In Proc. ***ACM CUI 2024***.

[C.18] Quantifying the Effect of Simulator-Based Data Augmentation for Speech Recognition on Augmented Reality Glasses
Riku Arakawa, Mathieu Parvaix, Chiong Lai, Hakan Erdogan, Alex Olwal. In Proc. ***IEEE ICASSP 2024***.

[C.17] CatAlyst: Domain-Extensible Intervention for Preventing Task Procrastination Using Large Generative Models
Riku Arakawa*, Hiromu Yakura*, Masataka Goto. In Proc. ***ACM CHI 2023***.

[C.16] IMUPoser: Full-Body Pose Estimation using IMUs in Phones, Watches, and Earbuds
Vimal Mollyn, **Riku Arakawa**, Mayank Goel, Chris Harrison, Karan Ahuja. In Proc. ***ACM CHI 2023***.
Best Paper Honorable Mention (top 5%)

[C.15] uKnit: A Position-Aware Reconfigurable Machine-Knitted Wearable for Gestural Interaction and Passive Sensing using Electrical Impedance Tomography
Tianhong Catherine Yu, **Riku Arakawa**, James McCann, Mayank Goel. In Proc. ***ACM CHI 2023***.

[C.14] RGBDGaze: Gaze Tracking on Smartphones with RGB and Depth Data
Riku Arakawa, Mayank Goel, Chris Harrison, Karan Ahuja. In Proc. ***ACM ICMI 2022***.

[C.13] CalmResponses: Displaying Collective Audience Reactions in Remote Communication
Kiyosu Maeda, **Riku Arakawa**, Jun Rekimoto. In Proc. ***ACM IMX 2022***.

[C.12] VocabEncounter: NMT-powered Vocabulary Learning by Presenting Computer-Generated Usages of Foreign Words into Users' Daily Lives
Riku Arakawa*, Hiromu Yakura*, Sosuke Kobayashi. In Proc. ***ACM CHI 2022***.

[C.11] BeParrot: Efficient Interface for Transcribing Unclear Speech via Respeaking
Riku Arakawa*, Hiromu Yakura*, Masataka Goto. In Proc. ***ACM IUI 2022***.

[C.10] A Multimodal Learning-from-Observation Towards All-at-once Robot Teaching using Task Cohesion
Iori Yanokura, Naoki Wake, Kazuhiro Sasabuchi, **Riku Arakawa**, Kei Okada, Jun Takamatsu, Masayuki Inaba, Katsushi Ikeuchi. In Proc. ***IEEE/SICE SII 2022***.

[C.9] Digital Speech Makeup: Voice Conversion Based Altered Auditory Feedback for Transforming Self-Representation
Riku Arakawa, Zendai Kashino, Shinnosuke Takamichi, Adrien Verhulst, Masahiko Inami. In Proc. ***ACM ICMI 2021***.

[C.8] Mindless Attractor: A False-Positive Resistant Intervention for Drawing Attention Using Auditory Perturbation
Riku Arakawa*, Hiromu Yakura*. In Proc. ***ACM CHI 2021***.
Best Paper Honorable Mention (top 5%)

[C.7] Independent Control of Supernumerary Appendages Exploiting Upper Limb Redundancy
Hideki Shimobayashi, Tomoya Sasaki, Arata Horie, **Riku Arakawa**, Zendai Kashino, Masahiko Inami. In Proc. ***ACM AHs 2021***.

[C.6] Learning-from-Observation Framework: One-Shot Robot Teaching for Grasp-Manipulation-Release Household Operations
Naoki Wake, **Riku Arakawa**, Iori Yanokura, Takuya Kiyokawa, Kazuhiro Sasabuchi, Jun Takamatsu, Katsushi Ikeuchi. In Proc. ***IEEE/SICE SII 2021***.

[C.5] Hand with Sensing Sphere: Body-Centered Spatial Interactions with a Hand-Worn Spherical Camera
Riku Arakawa, Azumi Maekawa, Zendai Kashino, Masahiko Inami. In Proc. ***ACM SUI 2020***.

[C.4] Mimicker-in-the-Browser: A Novel Interaction Using Mimicry to Augment the Browsing Experience
Riku Arakawa*, Hiromu Yakura*. In Proc. ***ACM ICMI 2020***.

[C.3] INWARD: A Computer-Supported Tool for Video-Reflection Improves Efficiency and Effectiveness in Executive Coaching
Riku Arakawa*, Hiromu Yakura*. In Proc. ***ACM CHI 2020***.

[C.2] PenSight: Enhanced Interaction with a Pen-Top Camera
Fabrice Matulic, **Riku Arakawa**, Brian Vogel, Daniel Vogel. In Proc. ***ACM CHI 2020***.

Best Paper Award (top 1%)

[C.1] REsCUE: A Framework for REal-time Feedback on Behavioral CUEs using Multimodal Anomaly Detection
Riku Arakawa*, Hiromu Yakura*. In Proc. ***ACM CHI 2019***.

PEER-REVIEWED WORKSHOP, POSTER, AND DEMO PAPERS

[W.12] Cyber-Physical Systems for Accessibility and Ability Augmentation: Bridging Diverse Communities
Shuchang Xu*, **Riku Arakawa***, Mina Huh*, Nandi Zhang*, Tianyu Zhang*, Wazeer Zulfikar*, Ruei-Che Chang*, Yotam Sechayk*, Huamin Qu, Amy Pavel, Franklin Mingzhe Li, Yukang Yan, Brian A. Smith, Pattie Maes. ***ACM UIST 2026*** Workshop.

[W.11] Health Assistants for Everyday Care: Reliable Human-AI Collaboration under Imperfect Sensing
Riku Arakawa. ***ACM UbiComp/ISWC 2025*** Doctoral Colloquium.
Best Doctoral Colloquium Contribution Award

[W.10] Accessible Cyber-Physical Activities
Riku Arakawa*, Franklin Mingzhe Li*, Nandi Zhang, Mina Huh, Amy Pavel, Ryo Suzuki, Patrick Carrington, Yukang Yan. ***ACM UIST 2025*** Workshop.

[W.9] AI for Meeting Minutes: Promises and Challenges in Designing Human-AI Collaboration on a Production SaaS Platform
Riku Arakawa*, Hiromu Yakura*, Kei Akuzawa, Shizuma Kubo. ***ACM CHI 2025*** Case Study.

[W.8] Unified Framework for Procedural Task Assistants powered by Human Activity Recognition
Riku Arakawa, Mayank Goel. ***ACM UbiComp/ISWC 2024*** HASCA Workshop.
Best Paper and Best Presentation Awards

[W.7] AI for Human Assessment: What Do Professional Assessors Need?
Riku Arakawa*, Hiromu Yakura*. ***ACM CHI 2023*** Case Study.
Honorable Case Study Recognition

[W.6] Human-AI Communication for Human-Human Communication: Applying Interpretable Unsupervised Anomaly Detection to Executive Coaching
Riku Arakawa*, Hiromu Yakura*. ***IJCAI 2022*** CHAI Workshop.

[W.5] AI for Human Assessment: What Do Professional Assessors Need?
Riku Arakawa*, Hiromu Yakura*. ***ACM CHI 2022*** TRAIT Workshop.

[W.4] Low-Cost Millimeter-Wave Interactive Sensing through Origami Reflectors
Riku Arakawa, Yang Zhang. ***CHIIoT Workshop 2021***.
Best Paper Award

[W.3] Exploration of Reinforcement Learning for Event Camera using Car-like Robots
Riku Arakawa*, Shintaro Shiba*. ***IEEE ICRA 2020*** Unconventional Sensors in Robotics Workshop.

[W.2] Implementation of DNN-based Real-Time Voice Conversion and Its Improvements by Audio Data Augmentation and Mask-Shaped Device
Riku Arakawa, Shinnosuke Takamichi, Hiroshi Saruwatari. ***ISCA SSW 2019*** (10th ISCA Speech Synthesis Workshop).

[Po.2] BulkScreen: Saliency-Based Automatic Shape Representation of Digital Images with a Vertical Pin Array Screen
Riku Arakawa*, Yudai Tanaka*, Hiromu Kawarasaki, Kiyosu Maeda. ***ACM TEI 2020*** Work-in-Progress.

[W.1] DQN-TAMER: Human-in-the-Loop Reinforcement Learning with Intractable Feedback
Riku Arakawa, Sosuke Kobayashi, Yuya Unno, Yuta Tsuboi, Shin-ichi Maeda. ***IEEE ICRA 2019*** RT-DUNE Workshop.

[Po.1] TransVoice: Real-Time Voice Conversion for Augmenting Near-Field Speech Communication
Riku Arakawa, Shinnosuke Takamichi, Hiroshi Saruwatari. ***ACM UIST 2019*** Poster.

Teaching

TEACHING ASSISTANT

Human-AI Interaction Using Sensing Systems, co-designed curriculum and delivered 3 lectures — 2026
Carnegie Mellon University · Instructors: Dr. Mayank Goel and Dr. Yuvraj Agarwal — *Pittsburgh, PA, USA*

Machine Learning and Sensing for Healthcare — 2024
Carnegie Mellon University · Instructors: Dr. Mayank Goel and Dr. Justin Chan — *Pittsburgh, PA, USA*

Programming User Interfaces — 2023
Carnegie Mellon University · Instructor: Dr. Scott Hudson — *Pittsburgh, PA, USA*

First-Year Seminar for Natural Sciences Students: Virtual Reality — 2019
The University of Tokyo · Instructor: Dr. Atsushi Hiyama — *Tokyo, Japan*

GUEST LECTURES

Building User-Focused Sensing Systems, Carnegie Mellon University (Mayank Goel, Yuvraj Agarwal) — 2025, 2026
Introduction to Human-Computer Interaction, Carnegie Mellon University (Chris Harrison) — 2026
Physical Computing Fundamentals, Carnegie Mellon University (Vivian Shen) — 2026
Mental Well-being Intelligence, The University of Tokyo (Koji Yatani) — 2025
Fundamentals of Networked & Embedded Systems, UCLA (Xiang 'Anthony' Chen) — 2024
Machine Learning and Sensing for Healthcare, Carnegie Mellon University (Mayank Goel, Justin Chan) — 2024

Textbook: *Human–Computer Interaction with Machine Learning* (co-author; in Japanese) — in preparation

Research Mentoring

Mentored 20+ researchers (high school to Ph.D.), co-authoring 8 CHI/UIST/IMWUT papers (2 Honorable Mentions).

PH.D. STUDENTS

Seungjoo Lee, Carnegie Mellon University — 2026 – present
Shreya Bali, Carnegie Mellon University [C.24, C.25] — 2025 – present
Aidan Bradshaw, Northwestern University [C.26] — 2025 – present
Haozhe Zhou, Carnegie Mellon University [C.21] — 2024 – 2025

MASTER'S STUDENTS

Vikram Kumar, M.S., Carnegie Mellon University → TeleTracking — 2025
Rina Kim, M.S., Carnegie Mellon University → BMW — 2024 – 2025
Will Page, M.S., Carnegie Mellon University [C.22] → Apple — 2024 – 2025
Matthew So, M.S., Georgia Institute of Technology → Snowflake — 2024
Yukun Li, M.S., Carnegie Mellon University → Oracle — 2022
Tianhong Catherine Yu, M.S., Carnegie Mellon University [C.15] → Ph.D., Cornell University — 2021 – 2022
Kiyosu Maeda, M.S., The University of Tokyo [C.13] → Ph.D., Princeton University — 2021

UNDERGRADUATE STUDENTS

Andrew Luo, Carnegie Mellon University — 2026 – present
Arya Patel, Carnegie Mellon University — 2026 – present
Vincent Terrelonge, REU Program at Carnegie Mellon University → Teradyne — 2025
Sahana Senthilkumar, REU Program at Carnegie Mellon University — 2025
Manami Nakagawa, University of Bristol [J.9] → M.S., UC Davis — 2024
Christina Trinh, Carnegie Mellon University — 2024
Suzanne Nie, Carnegie Mellon University [J.4] → Waymo — 2022 – 2023
Vicky Liu, Carnegie Mellon University — 2022 – 2023
Abhishek Hemlani, Carnegie Mellon University — 2022 – 2023
Vimal Mollyn, IIT Madras [J.4, C.16] → Ph.D., Carnegie Mellon University — 2021 – 2022

HIGH SCHOOL STUDENTS

Yryskeldi Barpygulov — 2026
Arnav Chaphalkar — 2025
Yury Mishustin → Columbia University — 2024
Sai Chaudhry → Carnegie Mellon University — 2023

Patents

[Pa.9] Egocentric human body pose tracking. US 2024-0103610
[Pa.8] Speech information extraction device and its program. JP 2024-008068 (7507528)
[Pa.7] Video information retrieval device, method, program, and utilization method. JP 2023-142598 (7591311)
[Pa.6] Vocabulary learning support system and program. JP 2022-068248
[Pa.5] System and program. JP 2022-036531 (7288530)
[Pa.4] Speech information document device. JP 2022-142035 (7223469)
[Pa.3] Speech conversion device, speech conversion method, and speech conversion program. JP 2021-033129
[Pa.2] Image sensor, image processing unit, image processing method, and program. JP 2020-198535 (7393851)
[Pa.1] Monitoring equipment, monitoring system, monitoring method, and monitoring program. JP 2020-091527 (6867701)

Academic Service

ORGANIZING COMMITTEE

Web Chair, ACM CHI 2027 – 2028
Paper Chair Assistant, ACM UIST 2025
Paper Chair Assistant, ACM CHI 2025

PROGRAM COMMITTEE

Associate Chair, ACM CHI 2026 – 2027
ACM UIST Posters 2026
ACM UbiComp/ISWC Posters and Demos; BeyondSound Workshop 2025
ACM CHI Late-Breaking Work 2022 – 2024

Reviewing: 200+ reviews for ACM CHI, UIST, IMWUT, UbiComp/ISWC, Health, MobileHCI, CSCW, DIS, IEEE ICRA, ICASSP, SIGGRAPH Asia, and others.

COMMUNITY SERVICE

Luncheon Organizer, Japan ACM SIGCHI Chapter, at ACM CHI 2026, UIST 2026, and CHI 2027 2026 – 2027

Invited Talks

2026 The University of Texas at Austin (Edison Thomaz) · Cornell Tech (Tanzeem Choudhury) · Université de Montréal (Ian Arawjo) · ABCDefine Workshop (Sozo Inoue)

2025 The University of Tokyo (Koji Yatani) · University of New South Wales (Flora Salim) · KAIST (Uichin Lee) · SIGCHI Korea Chapter (Hyunggu Jung; Sunjun Kim) · University of Pittsburgh (Carissa A. Low)

2024 University of California, Santa Barbara (Misha Sra) · University of Southern California (Shrikanth Narayanan) · The University of Tokyo (Masahiko Inami; Kento Kawaharazuka) · Kyushu Institute of Technology (Sozo Inoue) · Microsoft Applied Robotics Research (Naoki Wake) · Cornell University (Cheng Zhang) · Seoul National University (Youngki Lee) · Meta (Eiji Hayashi)

2023 The University of Tokyo (Koji Yatani) · Tokyo Institute of Technology (Erwin Wu) · Keio University (Yuta Sugiura) · AIST (Jun Kato) · NLP Colloquium (Naoki Otani) · University of Pittsburgh (Carissa A. Low) · Google (Alex Olwal)

2022 The University of Tokyo (Masahiko Inami)

2021 Keio University (Yuta Sugiura)

Selected Media Coverage

IEEE Pervasive Computing, Emerging Rockstar, *Health AI that Adapts* 2026
CMU HCII, *CMU Tool Prevents Anxiety Spirals When Searching for Medical Advice Online* 2026
CMU School of Computer Science, *The Link Magazine* 2026
MIT Technology Review, *Innovators Under 35 Japan* 2025
CMU HCII, *Arakawa Recognized with Two Awards at UbiComp/ISWC* 2025
TBS (Japanese national TV network) CROSS DIG, *Human Insight* (2 episodes) 2025
Longitude Prize on Dementia, *Extraordinary Tech to Support Ordinary Life for People with Dementia* 2024
Forbes, *Overcoming Procrastination Via Generative AI* 2024
Forbes, *30 Under 30 Asia* 2024
Google Research Blog, *Robust Speech Recognition in AR through Infinite Virtual Rooms with Acoustic Modeling* 2024
CMU School of Computer Science, *Smartwatches Could One Day Help Diagnose ADHD in Children* 2023
MIT Technology Review, *ChatGPT Can Turn Bad Writers into Better Ones* 2023
Gizmodo, *You Could Soon Move Around in VR With an iPhone, an Apple Watch, and Some AirPods* 2023
Hackster, *Body Tracking on a Budget* 2023
ITmedia, *A Fisheye Camera on a Stylus Detects Both Hands' Movements for Interaction* 2020
NewsPicks, *Machine Learning Researcher: Using Technology to Bridge Emotional Miscommunication* 2019