

Shixian Geng

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Education

The University of Tokyo

PH.D. IN ELECTRICAL ENGINEERING AND INFORMATION SYSTEMS

- **Supervisor:** Koji Yatani
- **Main Research:** Supporting Women's Health with Multi-Chatbot System

Tokyo, Japan
Expected September 2025

The University of Tokyo

M.ENG. IN ELECTRICAL ENGINEERING AND INFORMATION SYSTEMS

- **Supervisor:** Koji Yatani
- **Thesis:** A Vision-based Oral and Swallowing Capability Quantification Approach

Tokyo, Japan
September 2022

Rose-Hulman Institute of Technology

B.S. WITH DOUBLE MAJOR IN COMPUTER ENGINEERING AND COMPUTER SCIENCE

- **Supervisor:** Jianjian Song
- **Senior project:** Design of a BLE to Wi-Fi Gateway

Terre Haute, IN, USA
June 2020

Publications

* Japanese publication title translations are provided for reference

スマートフォンを用いた画像認識による嚥下機能の定量的評価手法

(A Vision-based Oral and Swallowing Capability Quantification Approach with Smartphones)

SHIXIAN GENG, YUTA HIRAI, GINSHI SHIMOJIMA, RYOSUKE YANAGIDA, TAISHI YAMADA, HIROSHI ONODERA, HARUKA TOHARA, KOJI YATANI

IPSJ Journal 2024
*To be Published in June

スマートウォッチで計測するマインドフルネス：ストレスと心拍変動の関係

(Mindfulness Measured with Smartwatches: Stress and Heart Rate Variability)

JO TAKEZAWA, SHIXIAN GENG, MASAHIRO FUJINO, MIKA MIYAKE, KAZUTOSHI SASAHARA, KOJI YATANI, ATSUSHI NIIDA

Society for Computational
Social Science of Japan 2024

薬物依存症治療におけるデジタル支援に向けた治療経験者への質的調査

(A Qualitative Study with Ex-patients Towards Digital Support in Substance Use Disorder Treatment)

GINSHI SHIMOJIMA, SHIXIAN GENG, CHI-LAN YANG, SHUNPEI NORIHAMA, AYAKO TAMURA, AYUMI TAKANO, KOJI YATANI

IPSJ SIGHCI 2023

対話形式でのストレス管理に向けたチャットボットにおける入力方法の評価

(Examining Input Modality Effects in Interactive Stress Management Chatbots)

SHUNPEI NORIHAMA, KAKERU MIYAZAKI, SHIXIAN GENG, GINSHI SHIMOJIMA, ARISSA J. SATO, SIMO HOSIO, KOJI YATANI

DICOMO 2023

PMS や月経に伴う不調の症状や対策に関する情報の共有意識の違いに関する定量的調査

(A Quantitative Study on Sharing Awareness of Symptoms and Coping for PMS and Menstruation)

AKARI DOI, SHIXIAN GENG, KOJI YATANI

IPSJ SIGHCI 2023

歌唱中の音声・画像からの構音・嚥下機能の分類

(Classification of Articulatory and Swallowing Function from Vocal and Image Data during Singing)

YUTA HIRAI, SHIXIAN GENG, RYOSUKE YANAGIDA, TAISHI YAMADA, HIROSHI ONODERA, HARUKA TOHARA, KOJI YATANI

Annual Meeting of the Japanese
Society of Geriatric Dentistry 2022

Skills

Language

Chinese (native), English (proficient), Japanese (advanced)

Technical

Python, Java, C/C++, MATLAB, R, JavaScript, HTML, CSS, Kotlin, Swift, SQL, Firebase, Git, Figma, GCP

Grants & Awards

WINGS-GSDM Fellowship

THE UNIVERSITY OF TOKYO

Tokyo, Japan
October 2022 - present

Japanese Government (Monbukagakusho: MEXT) Scholarship
MINISTRY OF EDUCATION, CULTURE, SPORTS, SCIENCE AND TECHNOLOGY (MEXT)

Tokyo, Japan
October 2020 - September 2022

Outstanding Presentation Award, Outstanding Paper Award
MULTIMEDIA, DISTRIBUTED, COOPERATIVE, AND MOBILE SYMPOSIUM (DICOMO)

Tokyo, Japan
2022

Clarence C. Knipmeyer Award
ROSE-HULMAN INSTITUTE OF TECHNOLOGY
Top junior academic scholar

Terre Haute, IN, USA
2020

Heminway Scholar Award
ROSE-HULMAN INSTITUTE OF TECHNOLOGY
Undergraduate student with the highest GPA at the end of the first year

Terre Haute, IN, USA
2018

Academic Service _____

- Student Volunteer** The Rising Stars Women in Engineering (RSE) Workshop (2023)
- Reviewer** CSCW (2024) Special Recognition for Outstanding Review, CHI LBW (2024)