Yamato Miyatake

Education

Master of Engineering, *Osaka University, Japan* March 2022
Division of Systems Science and Applied Informatics, Graduate School of Engineering Science,
Under advisory of *Prof. Kosuke Sato* and *Prof. Daisuke Iwai*

Bachelor of Engineering, *Osaka University, Japan* March 2020
Division of Systems Science and Applied Informatics, School of Engineering Science,
Under advisory of *Prof. Kosuke Sato* and *Prof. Daisuke Iwai*

Associate Degree of Engeneering, *National Institute of Technology, Japan* March 2018
Department of Electrical and Computer Engineering,
Under advisory of *Prof. Yasushi Kami*

Employment

Software Development Engineer (Radar and Camera), *Bosch, Japan* April 2022 - Present
Research Engineer(Internship), *SONY, Japan* February 2021 - March 2021
Teaching Assistant, *Osaka University, Japan* April 2020 - August 2020
Exercises in Introduction to Computer Science
Software Engineer(Internship), *JAXA, Japan* August 2017 - August 2017
Software Engineer(Internship), *APCAS, Sri Lanka* March 2016 - April 2016

Skills

Software Python, C/ C++ , OpenCV, Unity, Fusion360, Adobe Premiere Pro
Hardware IoT devices(Micro controllers and sensors), Circuit design, 3D Printer

Publications

JOURNAL PAPER

1. Yamato Miyatake, Takefumi Hiraki, Daisuke Iwai, and Kosuke Sato. 'HaptoMapping: Visuo-Haptic Augmented Reality by Embedding User-Imperceptible Haptic Display Control Signals in a Projected Image', *IEEE Transaction on Visualization and Computer Graphics*, 2021

CONFERENCE PAPERS (full papers)

1. Yamato Miyatake, Parinya Punpongsanon, Daisuke Iwai, and Kosuke Sato. 'interiqr: Unobtrusive Edible Tags using Food 3D Printing', *The ACM Symposium on User Interface Software and Technology (UIST)*, 2022.

2. Yamato Miyatake, Takefumi Hiraki, Tomosuke Maeda, Daisuke Iwai, and Kosuke Sato. 'Visuo-Haptic Display by Embedding Imperceptible Spatial Haptic Information into Projected Images', *In Proceedings of EuroHaptics 2020*, 2020.

CONFERENCE PAPERS (short papers and demos)

1. Yamato Miyatake, Parinya Punpongsanon, Daisuke Iwai, and Kosuke Sato. 'Demonstration of interiqr: Unobtrusive Edible Tags using Food 3D Printing', *The ACM Symposium on User Interface Software and Technology (UIST)*, 2022.

2. Yamato Miyatake, Takefumi Hiraki, Tomosuke Maeda, Daisuke Iwai, and Kosuke Sato. 'HaptoMapping: Visuo-Haptic AR system using projection-based wearable haptic devices', *In ACM SIGGRAPH Asia 2020 Emerging Technologies*, 2020.

Other Activities

Japanese teacher September 2018 - March 2019
Employment support for blind people in Sri Lanka March 2016 - April 2016

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