

Shohei Katakura

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RESEARCH INTERESTS

My research interest is human-computer interaction (HCI), especially personal fabrication. I design a relationship and interaction with fabrication machines by creating software and hardware systems. My research goal is to enable non-experts to create interactive and movable physical objects with 3D printing technologies.

EDUCATION

Master's student Meiji University Advisor: Keita Watanabe	2017 - present
B.S. in Computer Science Meiji University	2013 - 2017

PUBLICATION

Poster and Demo

1. **Shohei Katakura**, Keita Watanabe. Prototyping Interactive 3D Printed Objects Using Holes and Acoustic Sensing, CHI '18 Extended Abstracts on Human Factors in Computing Systems(CHI2018), Apr 2018

EXHIBITION

1. NTT InterCommunication Center 'Phenomenology of Interaction: Changing human outline and world experience', ExUI (<http://www.ntticc.or.jp/en/archive/works/exui/>).

PROFESSIONAL EXPERIENCE

Creator, IPA MITOU Program

June 2018 - March 2019

Development of "A software plug-in for expressing motion of printed object on a 3D printer" (Grant 2,300,000 Yen)

SKILLS

Language	Japanese (Native), English (Intermediate)
Programming	C, C++, C#, Python, JavaScript, Processing, Grasshopper
Hardware	Arduino, FDM 3D Printer, LaserCutter
Modeling	Rhinoceros 3D, Autodesk Fusion 360
Creative	Adobe CC (Illustrator, Photoshop, Lightroom, Premiere)

REFERENCES

References provide upon request