



Jotaro Shigeyama

Curriculum Vitae

Education

- 2018–current **PhD candidate at HCI group in Hasso Plattner Institute,**
The University of Potsdam, Germany, with Prof. Patrick Baudisch.
- 2018–current **Master's student in University of Potsdam,**
The University of Potsdam, Germany.
- 2017–current **Master's student in Cyber Interface Lab,**
The University of Tokyo, Japan, with Prof. Michitaka Hirose.
- 2014–2017 **B.Sc in Mechano-Informatics,**
The University of Tokyo, Japan, with Prof. Michitaka Hirose.
- 2009–2014 **A.Sc in Mechanical and Electrical Engineering,**
Tokuyama College of Technology, Japan, with Prof. Kurt Fischer,
The Top on the list.

Experience

Research

- 2017 Summer **HCI Group, Hasso Plattner Institute, Potsdam, Germany.**
Developed dynamic continuous haptic interaction method for blind users.
Detailed achievements:
- Hacked haptic system from firmware to software
 - Conducted user study to evaluate the system
 - Submitted paper conditionally accepted in ACM UIST 2018(Top-tier UI conference)

Work

- 2016 Summer **teamLab, AI Software Engineer, Tokyo, Japan.**
Worked with DNN face recognition system in the largest Japanese media art company.
- 2016 Summer **nana music.inc, iOS Software Engineer, Tokyo, Japan.**
Improved and developed UI of music SNS app.
- 2016 Winter **Object of Null.inc, Hardware Engineer, Tokyo, Japan.**
Developed CNC Agricultural robot.

– Berlin, GERMANY

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📄 [jotaros.github.io](https://github.com/jotaros) • Jotaro Shigeyma

2014 to 2016 **AgIC.inc**, *Hardware Engineer*, Tokyo, Japan.
Developed applications for silver-nano conductive ink technology.

Awards and Honors

2014 **HATAKEYAMA Award**, *The highest honor in Mechanical Engineering Students*, Japan Society of Mechanical Engineering, Japan.

Computer skills

Basic iOS, Obj-C, Lisp, CTF(Network Security)
Intermediate WEB Frontend(HTML, CSS), Data Science, Statistics, Algorithms, Adobe Illustrator / Photoshop / Premiere
Advanced C, C++, CSharp, javascript, python

Hardware skills

Intermediate PCB Design, Milling machinery
Advanced CAD, Embedded system, Prototyping (Laser-cut, 3D Print)

Languages

Japanese	Mothertongue	
English	Fluent	CEFR C1
German	Intermediate	around CEFR B1

Interests Hobbies

- Classic Piano	- (tons of) Computer gaming
- Inline skating	- Traveling

Publications

Papers / Journals (Peer Reviewed)

2018 **Full Paper**, *one conditionally accepted paper for, UIST 2018, Berlin, TO APPEAR.*
2017 **Journal Paper**, **Jotaro Shigeyama**, Nami Ogawa, Takuji Narumi, Tomohiro Tanikawa and Michitaka Hirose: *Presenting resistive force by modifying joint angles of an avatar, VRSJ Journal Special Issue, Vol.22, No.3, 2017.*

Posters / Demos (Peer Reviewed)

2018 **Demo**, **Jotaro Shigeyama**, Takeru Hashimoto, Shigeo Yoshida, Taiju Aoki, Takuji Narumi, Tomohiro Tanikawa and Michitaka Hirose: *Transcalibur : Weight Moving VR Controller for Dynamic Rendering of 2D Shape using Haptic Shape Illusion, SIGGRAPH 2018 Emerging Technologies, TO APPEAR.*
2018 **Poster**, **Jotaro Shigeyama**, Takeru Hashimoto, Shigeo Yoshida, Taiju Aoki, Takuji Narumi, Tomohiro Tanikawa and Michitaka Hirose: *Transcalibur : Dynamic 2D Haptic Shape Illusion of Virtual Object by Weight Moving VR Controller, SIGGRAPH 2018 Posters, TO APPEAR.*

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- 2018 **Poster**, Yuji Suzuki, **Jotaro Shigeyama**, Shigeo Yoshida, Takuji Narumi, Tomohiro Tanikawa and Michitaka Hirose: *Food Texture Manipulation by Face Deformation*, SIGGRAPH 2018 Posters, TO APPEAR.
- 2017 **Demo**, Nami Ogawa, **Jotaro Shigeyama**, Takuji Narumi and Michitaka Hirose: *Swinging 3D Lamps: A Projection Technique to Create 3D Illusions on a Static 2D Image*, SIGGRAPH Asia 2017 Emerging Technologies.
- 2017 **Demo**, **Jotaro Shigeyama**, Nami Ogawa, Takuji Narumi, Tomohiro Tanikawa and Michitaka Hirose: *Presenting a pseudo-haptic feedback in immersive VR environment by modifying avatar's joint angle*, IEEE WorldHaptics 2017, Munich, Germany.

Talks

- 2018 **Presentation**, **Jotaro Shigeyama**, Takeru Hashimoto, Shigeo Yoshida, Taiju Aoki, Takuji Narumi, Tomohiro Tanikawa and Michitaka Hirose: *Transcalibur : Weight Moving VR Controller for Dynamic Rendering of 2D Shape using Haptic Shape Illusion*, SIGGRAPH 2018 Experience Presentation, TO APPEAR.

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