Jotaro Shigeyama

Curriculum Vitæ

Name:	Jotaro Shigeyama
Gender:	Male
Place and Date of Birth:	Yamaguchi, Japan — 14 September 1993
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Education

02/2018-
Ph.D Candidate
Hasso Plattner Institute, University of Potsdam
Potsdam, Germany
Prof. Dr. Patrick Baudisch

04/2017-03/2020
Master of Interdisciplinary Informatics
The University of Tokyo
Tokyo, Japan
Graduate School of Interdisciplinary Informatics
Thesis: Transcalibur:Presenting Shape with Transforming VR Controller based on Perception Model
Prof. Michitaka Hirose

04/2014–03/2017
Bachelor of Engineering
The University of Tokyo
Tokyo, Japan
Mechano Informatics Engineering
Thesis: Presenting Resistive force by modifying joint angle of an avatar
Prof. Michitaka Hirose

04/2009-03/2014
Associate of Engineering
Tokuyama College of Technology
Tokuyama, Yamaguchi, Japan
JSME Hatakeyama Award (The top student)
Mechanical and Electircal Engineering
Prof. Kurt Fischer

Work Experience

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 Song and Music Collaboration SNS app.

2016 Winter
Object of Null.inc *Hardware Engineer*, Tokyo, Japan
Developed CNC Agricultual robot with farmbot.io project.

2014 to 2016
AgIC.inc *Hardware Engineer*, (Current company name; Elephantech), Tokyo, Japan
Developed applications for silver-nano conductive ink technology.

Awards and Honors

2019/05	CHI2019 best paper honorable mention Award Top 5% among the submitted papers ACM CHI2019, Glasgow, Scotland, UK
2018/11	Funai Foundation of Information Technologies Funai Overseas Scholarship Recipient Funai Foundation of Information Technologies, Tokyo, Japan
2018/08	Siggraph student research competition Semi-Finalist ACM SIGGRAPH2018, Vancouver, BC, Canada
2014/03	JSME Hatakeyama Award Best student award in Mechanical Engineering in Japan (2014) Japan Society of Mechanical Engineering

Publications

Publication for CHI/UIST,the top conferences for Human-Computer Interaction

[p3] Thijs Roumen, **Jotaro Shigeyama**, Julius Romeo Cosmo Rudolph, Felix Grzelka, and Patrick Baudisch: SpringFit: Joints and Mounts that Fabricate on Any Laser Cutter, In Proceedings of UIST2019, October, 2019, New Orleans, LA, US.

[p2] **Jotaro Shigeyama**, Takeru Hashimoto, Shigeo Yoshida, Takuji Narumi, Tomohiro Tanikawa, and Michitaka Hirose: Transcalibur: A Weight Shifting Virtual Reality Controller for 2D Shape Rendering based on Computational Perception Model, In Proceedings of CHI2019, Glasgow, Scotland, UK. [Acceptance Rate: 23.8%] [CHI2019 Best Paper Honorable Mention]

[p1] Oliver Schneider, **Jotaro Shigeyama**, Robert Kovacs, Thijs Roumen, Sebastian Marwecki, Nico Boeckhoff, Daniel-Amadeus Gloeckner, Jonas Bounama and Patrick Baudisch, DualPanto: A Haptic Device that Enables Blind Users to Continuously Interact with Virtual Worlds, In Proceedings of UIST2018, October, 2018 [Acceptance Rate: 21.3%]

Demo Presentation for CHI/UIST/SIGGRAPH E-tech, the top venue for HCI

[d8] Thijs Roumen, **Jotaro Shigeyama**, Julius Romeo Cosmo Rudolph, Felix Grzelka, and Patrick Baudisch: SpringFit: Joints and Mounts that Fabricate on Any Laser Cutter, In Proceedings of UIST ' 19, October, 2019, New Orleans, LA, US.

[d7] **Jotaro Shigeyama**, Takeru Hashimoto, Shigeo Yoshida, Takuji Narumi, Tomohiro Tanikawa, and Michitaka Hirose. 2019. Demonstration of Transcalibur: A VR Controller that Presents Various Shapes of Handheld Objects. In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA ' 19). Association for Computing Machinery, New York, NY, USA

[d6] Oliver Schneider, **Jotaro Shigeyama**, Robert Kovacs, Thijs Roumen, Sebastian Marwecki, Nico Boeckhoff, Daniel-Amadeus Gloeckner, Jonas Bounama and Patrick Baudisch, DualPanto: A Haptic Device that Enables Blind Users to Continuously Interact with Virtual Worlds, In Proceedings of UIST ' 18, October, 2018

[d5] **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, August 2018

[d4] **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 Poster, August 2018, [SIGGRAPH Student Research Competition Semi-Finalist]

[d3] Yuji Suzuki, **Jotaro Shigeyama**, Shigeo Yoshida, Takuji Narumi, Tomohiro Tanikawa and Michitaka Hirose: Food Texture Manipulation by Face Deformation, SIGGRAPH 2018 Poster, August 2018

[d2] 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, November 2017

[d1] **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 World Haptics 2017, June 2017