

# Yuqian Sun

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## EDUCATION

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**University of Tokyo, Tokyo, Japan** Apr 2017 – Present  
M.S. in Mechano Informatics, GPA: 3.89

**University of Tokyo, Tokyo, Japan** Apr 2013 – Mar 2017  
B.S. in Mechano Informatics, GPA: 3.83

## EXPERIENCE

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**University of Tokyo Cyber Interface Lab** Jun 2018 – Present  
Master Researcher

- Created a handheld haptic device based on the mechanism of human perception
- Conducted user studies to validate the effects that user can recognize properties of virtual objects with our device
- Wrote two papers (accepted in ACM ISS 2018, reviewed in ACM CHI 2019)

**University of Washington Make4All Lab** Jan 2018 – Jun 2018  
Volunteer Researcher

- Created smartphone and web interface for visually impaired people
- Conducted user studies
- Wrote a paper (accepted in ASSETS' 2018) and presented a poster

**University of Tokyo Cyber Interface Lab** May 2016 – Aug 2018  
Undergraduate Researcher

- Explore the method to regulate emotion based on a two-factor theory of emotion
- Conducted experiments to validate hypothesis
- Wrote a paper (accepted in ASIAGRAPH 2017)

**Global Project Design** Aug 2015  
Project Designer

- Designed a plan which projects works most effectively
- Used Teamport, a team work platform, to simulate and design a project

**THK** Aug 2015  
CAD Designer

- Designed linear motion guide and ball screw using CAD

## ADDITIONAL ACTIVITIES

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### University of Washington

Sep 2017 – Jun 2018

Studied abroad as a full-time exchange student, GPA: 3.81

### iiiExhibition

Apr 2017 – Jul 2017

Web Designer

- Built website for exhibition
- Created a media art with a theme of word recognition

### Mechanical Engineering MayFes Executive Committee

Sep 2014 – Sep 2016

Vice-administrator

- Held events that introduce our major and workshops that aims for participants to get interested in our major in school festival, MayFes.

## HONORS

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### UW Dean's List

2017

### Japan Public-Private Partnership Student

#### Study Abroad Program

Sep 2018 – Jun 2017

Scholarship for studying abroad

### Best prize in Tea-time Hackathon

Dec 2016

Software developer

- Implemented prototype of smartphone application intended to lead a well-regulated life

## PUBLICATIONS

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Full paper got conditionally acceptance for CHI 2019 (**first author**)

**Yuqian Sun**, Shigeo Yoshida, Takuji Narumi, Michitaka Hirose. “Handheld Haptic Interface for Rendering Size, Shape, and Stiffness”. ISS '18: Proceedings of the 2018 ACM International Conference on Interactive Surfaces and Spaces (*Best Demo Award*)

XiaoyiZhang, TracyTran, **YuqianSun**, IanCulhane, ShobhitJain, JamesFogarty, JenniferMankoff. “Interactiles: 3D Printed Tactile Interfaces to Enhance Mobile Touchscreen Accessibility”. ASSETS '18 Proceedings of the 20th International ACM SIGACCESS Conference on Computers and Accessibility

**Yuqian Sun**, Takuji Narumi, Shigeo Yoshida, Tomohiro Tanikawa, Michitaka Hirose. “Basic Study for Emotion Regulation Based on a Two-Factor Theory of Emotion”. ASIAGRAPH 2017, KAOHSIUNG

## **TECHINICAL STRENGTH**

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**Mechatronics** PCB Design, embedded programming, Laser cutting, 3D Print

**Programing** C, C++, C#, Python, Javascript, R, LaTeX, HTML/CSS/PHP

**Software** Unity, CAD, Fusion360, Illustrator, Photoshop, Premiere

**Languages** Japanese (Native), English (Intermediate, TOEFL 102),  
Mandarin (Intermediate)

## **INTEREST**

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Haptics Interface, AR/VR, Wearable Computing, Human Perception and Cognition,  
Interaction Design, Media Art