

# Anran Xu

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## Education

### The University of Tokyo

PH.D. IN ELECTRICAL ENGINEERING AND INFORMATION SYSTEMS

- **Supervisor:** Koji Yatani

Tokyo, Japan

Expected September 2025

### The University of Tokyo

MASTER OF ENGINEERING IN ELECTRICAL ENGINEERING AND INFORMATION SYSTEMS

- **Supervisor:** Koji Yatani
- **Thesis:** Interactive Authoring Support for Photo Privacy Protection

Tokyo, Japan

September 2022

### Peking University

BACHELOR OF SCIENCE IN ELECTRONIC ENGINEERING AND COMPUTER SCIENCE

- **Supervisor:** Huijing Zhao, Dingsheng Luo
- **Thesis:** Environmental Perception of Indoor Mobile Robot Based on Real-time Semantic Segmentation Using RGB Images

Beijing, China

July 2020

## Publications

### Examining Human Perception of Generative Content Replacement in Image Privacy Protection

ANRAN XU, SHITAO FANG, HUAN YANG, SIMO HOSIO, KOJI YATANI

<https://doi.org/10.1145/3613904.3642103>

CHI 2024

### DIPA2: An Image Dataset with Cross-cultural Privacy Perception Annotations

ANRAN XU, ZHONGYI ZHOU, KAKERU MIYAZAKI, RYO YOSHIKAWA, SIMO HOSIO, KOJI YATANI

<https://dl.acm.org/doi/10.1145/3631439>

IMWUT/UbiComp 2024

Distinguished Paper Award

シームレスでカスタマイズ可能な写真プライバシー保護加工を対話的に行うインタフェース

### English Title: An Interactive Application That Realizes Seamless and Customizable Photo Privacy Protection

徐安然 (ANRAN XU), 風澤有吾 (YUGO FUSAWA), 矢谷浩司 (KOJI YATANI)

<https://iis-lab.org/wp-content/uploads/2024/10/CSS2024.pdf>

CSS 2024

Written in Japanese

### DIPA: An Image Dataset with Cross-cultural Privacy Concern Annotations

ANRAN XU, ZHONGYI ZHOU, KAKERU MIYAZAKI, RYO YOSHIKAWA, SIMO HOSIO, KOJI YATANI

<https://dl.acm.org/doi/abs/10.1145/3581754.3584176>

IUI 2023 Open Science Track

Short Paper

写真のプライバシー保護加工を対話的に行うインタフェース

### English Title: HideTight, An interface for interactively editing photos to protect privacy

徐安然 (ANRAN XU), 周中一 (ZHONGYI ZHOU), 吉川諒 (RYO YOSHIKAWA), 矢谷浩司 (KOJI YATANI)

<https://iis-lab.org/wp-content/uploads/2022/06/IPSJUBI-202206.pdf>

UBI 2022

Written in Japanese

### SyncUp: Vision-based Practice Support for Synchronized Dancing

ZHONGYI ZHOU, ANRAN XU, KOJI YATANI

<https://dl.acm.org/doi/10.1145/3478120>

IMWUT/UbiComp 2021

Distinguished Paper Award

### Vision-based Scene Analysis toward Dangerous Cycling Behavior Detection Using Smartphones

HIROTAKA HAYASHI, ANRAN XU, ZHONGYI ZHOU, KOJI YATANI

<https://dl.acm.org/doi/10.1145/3460418.3479300>

UbiComp-ISWC '21 demo

Demo

### Off-Road Drivable Area Extraction Using 3D LiDAR Data

BIAO GAO, ANRAN XU, YANCHENG PAN, XIJUN ZHAO, WEN YAO, HUIJING ZHAO

<https://arxiv.org/abs/2003.04780>

IV 2019

## Research Experience

## Interactive Intelligent Systems Laboratory (IIS Lab), The University of Tokyo

MASTER STUDENT, SUPERIOR RESEARCH ASSISTANT

- **Supervisor:** Koji Yatani
- Usable Security (Photo Privacy)
- Interactive Machine Learning

*Tokyo, Japan*  
September 2020 - PRESENT

## Intelligent Vehicle and Mobile Robot Lab, Peking University

UNDERGRADUATE

- **Supervisor:** Huijing Zhao
- Developing neural networks for recognizing off-road areas.
- Building APIs for processing 3D LiDAR data.

*Beijing, China*  
April 2018 - July 2020

## Key Laboratory of Machine Perception and Intelligence, Peking University

UNDERGRADUATE

- **Supervisor:** Dingsheng Luo
- Developing efficient onboard neural networks for robots in indoor scenarios.

*Beijing, China*  
September 2019 - July 2020

## Peking University

UNDERGRADUATE

- **Supervisor:** Yanjun Yang
- Designing a smart table for multiple IoT interaction

*Beijing, China*  
July 2017 - July 2018

## Skills

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<b>Language</b>	Chinese (native), English (advanced), Japanese (advanced)
<b>Programming</b>	Python, C/C++, Javascript, Matlab
<b>Frameworks</b>	TensorFlow, PyTorch, React, Node.js
<b>IoT Devices</b>	Google Edge TPU, Intel UP Board, Jetson Nano

## Grants & Award

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### Google Conference Scholarships

GOOGLE

<https://buildyourfuture.withgoogle.com/scholarships/google-conference-scholarships/>

April 2024

### Microsoft D-CORE Joint Research Faculty Member

MICROSOFT RESEARCH ASIA

<https://www.microsoft.com/ja-jp/mscorp/msrao>

*Beijing, China*  
April 2023 - March 2024

### Research Institute for an Inclusive Society through Engineering

THE UNIVERSITY OF TOKYO

<https://www.riise.u-tokyo.ac.jp/en>

*Tokyo, Japan*  
February 2023 - present

### Gary Marsden Travel Award

SIGCHI

<https://sigchi.org/resources/gary-marsden-travel-awards/>

March 2023

### World-leading Innovative Graduate Study Program: Co-designing Future Society (WINGS-CFS)

THE UNIVERSITY OF TOKYO

<https://cfs.t.u-tokyo.ac.jp/>

*Tokyo, Japan*  
April 2021 - present

### Japan Student Services Organization (JASSO) Scholarship

MINISTRY OF EDUCATION, CULTURE, SPORTS, SCIENCE AND TECHNOLOGY

*Tokyo, Japan*  
October 2020 - March 2021

### Undergraduate Electronic Design Contest (Intel Cup)

1ST PRIZE (NATIONAL LEVEL)

*Shanghai, China*  
2018

### PKU-ACM/ICPC

3RD PRIZE

*Beijing, China*  
2017

## Academic Service

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**Student Volunteer** IUI (2023)

**Reviewer** CHI (2024): Special Recognitions for Outstanding Reviews