

# Xudong SHEN

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## Education

### National University of Singapore

PH.D. STUDENT AT THE GRADUATE SCHOOL FOR INTEGRATIVE SCIENCE AND ENGINEERING

- GPA: 4.63/5.0.

Singapore

Aug. 2019 - current

### Zhejiang University

B.ENG. (WITH HONOR) IN NAVAL ARCHITECTURE AND OCEAN ENGINEERING

- GPA: 3.77/4.0.

Hangzhou, China

Sep. 2015 - Jun. 2019

### Waseda University

EXCHANGE STUDENT IN THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

- Global Leadership Program, received Master Kong Dream Scholarship.

Tokyo, Japan

Sep. 2018 - Feb. 2019

### Università di Trento

EXCHANGE STUDENT IN THE DEPARTMENT OF CIVIL, ENVIRONMENTAL AND MECHANICAL ENGINEERING

- ERASMUS+ Student Mobility, received ERASMUS+ Student Mobility Grant.

Trento, Italy

Feb. - Jun. 2017

## Publication

- [1] Ziwei Xu, **Xudong Shen**, Yongkang Wong, and Mohan S Kankanhalli. "Unsupervised Motion Representation Learning with Capsule Autoencoders". In: *Advances in Neural Information Processing Systems* 34 (2021).
- [2] **Xudong Shen**, Yongkang Wong, and Mohan Kankanhalli. "Fair Representation: Guaranteeing Approximate Multiple Group Fairness for Unknown Tasks". In: *IEEE Transactions on Pattern Analysis and Machine Intelligence* (Upcoming).

## Experience

### Analysis and Optimization of Hydrodynamically Focused Printing for High-resolution Printed Electronics

SUPERVISED BY PROF. GERD GRAU AT ELECTRONICS ADDITIVE MANUFACTURING LAB, YORK UNIVERSITY, SUPPORTED BY MITACS GLOBALINK

Toronto, Canada

May - Aug. 2018

### Cloud Detection in Satellite Remote Sensing using Fully Convolutional Neural Network

SUPERVISED BY PROF. GANG ZHENG AT STATE KEY LABORATORY OF SATELLITE OCEAN ENVIRONMENT DYNAMICS, SECOND INSTITUTE OF OCEANOGRAPHY

Hangzhou, China

Jul. - Sep. 2017 & Nov. 2018 - Jul. 2019

### A Study of Japan's History, Regulation, and Specific Measures regarding Persistent Organic Pollutants (POPs)

SUPERVISED BY PROF. SACHIKO HIRAKAWA AT WASEDA UNIVERSITY, UNDER MASTER KONG DREAM SCHOLARSHIP PROGRAMME

Tokyo, Japan

Sep. 2018 - Feb. 2019

## Awards & Scholarships

2019	<b>University-wide</b> , NGS scholarship	National University of Singapore
2018	<b>National</b> , GLOBALINK Research Internship Award	Mitacs Canada
2018	<b>National</b> , Master Kong Dream Scholarship	Tingyi Holdings Corp. & Waseda University
2017	<b>University-wide</b> , ERASMUS+ Student Mobility Grant	EU & Università di Trento
2017	<b>Provincial</b> , 3 <sup>rd</sup> Prize in Physics Innovation Competition	Zhejiang Physical Society
2017	<b>University-wide</b> , Second-class Scholarship for Outstanding Merits	Zhejiang University
2017	<b>University-wide</b> , Second-class Scholarship for Outstanding Students	Zhejiang University
2016	<b>University-wide</b> , Second-class Scholarship for Outstanding Merits	Zhejiang University