

# Xudong SHEN

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## Education

### National University of Singapore

Singapore

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

Aug. 2019 - current

- GPA: 4.63/5.0.
- Courses: Theoretical Foundations in Multimedia, Uncertainty Modelling in AI, Neural Networks and Deep Learning II, Theory and Algorithms for Machine Learning.

### Zhejiang University

Hangzhou, China

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

Sep. 2015 - Jun. 2019

- GPA: 3.77/4.0.
- Courses: Probability and Mathematic Statistics, ODEs, PDEs, Computational Methods, Physics, {Theoretical, Material, Fluid, Ship, Off-shore Structure, Offshore Platform} Mechanics, {Machine, Ship, Offshore Structure, Offshore Platform} Design, Finite Element Analysis and Application, Electrotechnics and Electronics, Accounting, Game Theory, Microeconomics, etc.

### Waseda University

Tokyo, Japan

EXCHANGE STUDENT IN THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

Sep. 2018 - Feb. 2019

- Global Leadership Program
- Received Master Kong Dream Scholarship
- Courses: Introduction to Logic, Concrete Engineering, Global Asia seminar, Advanced Studies on Global Asia, Global Asia Practicum.

### Università di Trento

Trento, Italy

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

Feb. - Jun. 2017

- ERASMUS+ Student Mobility
- Received ERASMUS+ Student Mobility Grant
- Courses: Design Methods for Industrial Engineering, Scientific Computing (unfinished).

## Skills

**Languages** Chinese (mother language), English (TOEFL ibt 105), Italian (beginner), Japanese (beginner)

**Programming** Python, C, Fortran

**Areas of Interest** Computational Science, Machine Learning, Social Science, Policy & Politics

## Experience

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

Toronto, Canada

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

May - Aug. 2018

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

Hangzhou, China

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

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

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

Tokyo, Japan

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

Sep. 2018 - Feb. 2019

## Awards & Scholarships

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