

# Joon Seon HWANG

## PERSONAL DATA

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Graduate Student  
MARCH Lab, Department of Mechanical Engineering,  
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## RESEARCH INTERESTS

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### Identify user intentions based on sEMG

- classification for various human motion
- applied force prediction in terms of sEMG

### Human-Robot interface

- tactile display using Piezoelectric element
- multi DOF haptic interface

## EDUCATION & STUDYING ABROAD

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FEB 2020 B.S in AEROSPACE ENGINEERING  
MAR 2014 **Sejong University**, Seoul, Korea  
GPA: 4.19/4.50 percentile rank 95.9

FEB 2018 Winter session  
JAN 2018 **San Diego State University**, San Diego, USA

## RESEARCH EXPERIENCE

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JAN 2019 Research Assistant in GNC Lab  
AUG 2017 **Sejong University**, Seoul, Korea  
Topic: Multi-copter performance research

## AWARDS AND HONORS

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SEP 2017 1st prize, Academic Seminar of College of Engineering (Topics: Aerodynamic Solution for second-hand smoking) in *Sejong University, Seoul, Korea*

2014, 2016 Encouragement Prize (2 times), SejongKB Creative Sharing Volunteer Group, (Topics: Aerospace Engineering Knowledge Education for High School Students) in *Sejong University, Seoul, Korea*

## LANGUAGES, SKILLS AND ABILITIES

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Languages	Korean English
Computer Skills	MATLAB, C/C++, <del>TEX</del> , CATIA Visual Studio, Arduino IDE, ROS Gazebo, Adobe Illustrator & Premiere
Hardware & Equipment	Multicopter (F450, DJI Mavic, Custom multicopter) GNSS System (RTK GPS Rx/Tx) sEMG measurement unit (Delsys, Intan) Sensors (IMU, IR-sensor) Embedded - Arduino Laser cutter, 3D printer

## INTERESTS AND ACTIVITIES

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Basketball, Snow boarding, Reading a book