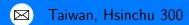
# Juan Diego Jovane Aparicio

Electrical Engineer and Computer Scientist



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## About me —

A skilled programmer that is always eager to acquire new abilities. A person who believes that perseverance and teamwork are the keys to success.

## Language -

Japanese

Chinese

English

Spanish

## Skills

- Statistics and Probability
- Signal Processing
- Programming
- Circuit Design
- Data Analysis

#### Work Experience

2020-2021 National Yang Ming Chiao Tung University

▼ Taiwan, Hsinchu

Teacher Assistant

Linear AlgebraDeep Learning

2018-2019 Industrial Technology Research Institute

(Dept. of Mechanics and Robotics)

▼ Taiwan, Hsinchu
Intern

• Integration of mobile arm robot's sub-sensor system.

• Developing and coding ROS packages for robotic sensor.

• Basic electromechanical programming for devices.

#### Education

2019-2022 M.Sc. Electrical Engineering and Computer Science

National Yang Ming Chiao Tung University

2015-2019 B.Sc. Electrical and Computer Engineering

National Chiao Tung University

2014-2015 Mandarin Language

National Taiwan Normal University (MTC)

#### Projects and Research

2020-2022 Research on V2X and Satcom Communications

 $\label{lem:decomposition} Deep \ learning \ channel \ estimation \ based \ on \ temporal \ convolutional \ networks \ for \ satellite$ 

communication and vehicular communication.

National Yang Ming Chiao Tung University (Adviser: Chia-Han, Lee)

2020 Qualcomm Project for Development of Future Communication Systems

Integration and design of 5G and beyond communication systems.

National Yang Ming Chiao Tung University (Adviser: Chia-Han, Lee)

2019 Robotic Hand

Coding and development of robotic hand prosthesis. Industrial Technology Research Institute

2018 Research on Bone Conduction Recording

Study on properties of a bone conduction recording device for improving its audio quality.

National Chiao Tung University (Adviser: Stefano Rinni)

## Awards

2014 Taiwan's MOFA Scholarship.

## Software

Programming Languages: C/C++, Python, Java, Assembly, Matlab

Middleware: Robot Operating System (ROS)

Web design (Front End): HTML, CSS, JavaScript

Operating Systems: Linux, Windows

Deep Learning: TensorFlow, PyTorch

Mark-up Languages: Latex, Mark-down

Version Control: Git