

# Juan Diego Jovane Aparicio

Electrical Engineer and  
Computer Scientist

✉ Taiwan, Hsinchu 300

☎ +886 978 098 847

🌐 [linkedin.com/in/juan-diego-jovane-aparicio](https://www.linkedin.com/in/juan-diego-jovane-aparicio)

@ [jdjaxid@gmail.com](mailto:jdjaxid@gmail.com)

## 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

Mandarin

English

Spanish

## Skills

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

## Work Experience

- 2020-2021 National Yang Ming Chiao Tung University  
📍 Taiwan, Hsinchu Teacher Assistant
- Code reviewing, exam/homework checking, and T.A. hours for linear algebra and deep learning courses.
- 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, Mandarin Training Center

## Publications

J. D. Jovane and C.-H. Lee, "Channel Estimation using Temporal Convolutional Networks for V2X Communications," *IEEE International Conference on Communications*, 2023. [github.com/jjpro100/IEEE-ICC-2023-Paper](https://github.com/jjpro100/IEEE-ICC-2023-Paper)

## Projects and Research

- 2020-2022 Research on V2X and Satcom Communications  
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)

## 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*