

Juan Jovane

Electrical Engineer and
Computer Scientist



Hsinchu, Taiwan



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About me

I'm an engineer who seeks to participate in the development of cutting-edge technologies. I believe that perseverance and teamwork are the keys to success. I possess solid foundations in computer science combined with strong interpersonal skills that allow me to handle challenging customer interactions with tact and diplomacy. I hope my resume sparks your interest and look forward to hearing from you soon.

Language

English

Spanish

Chinese

Japanese

Skills

- Statistics and Probability
- Deep Learning
- Research
- Signal Processing
- Data Analysis

Work Experience

- 2023-Now Cadence Design Systems
📍 Hsinchu, Taiwan Software Engineer
- Code reviewing, exam/homework checking, and T.A. hours for linear algebra and deep learning courses.
- 2020-2021 National Yang Ming Chiao Tung University
📍 Hsinchu, Taiwan Teacher Assistant
- Code reviewing, exam/homework checking, and T.A. hours for linear algebra and deep learning courses.
- 2018-2019 Industrial Technology Research Institute
📍 Hsinchu, Taiwan 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.

Projects and Research

- 2020-2022 Research on V2X and Satcom Communications
Deep learning channel estimation based on TCNs for SATCOM and V2X.
National Yang Ming Chiao Tung University (Adviser: Chia-Han Lee)
- 2020 Qualcomm Project for 5G Communication
Integration and design of 5G and beyond communication system standards.
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 B.C. recording device for improving its audio quality.
National Chiao Tung University (Adviser: Stefano Rinni)

Software

Programming Languages: *C/C++, Python, Matlab, Java, Assembly*
Operating Systems: *Linux, Windows*
Deep Learning: *TensorFlow, PyTorch*
Version Control: *Git*
Databases: *SQL*
Web design (Front End): *HTML, CSS, Bootstrap, JavaScript*
Mark-up Languages: *Latex, Mark-down*