

Giovanni Salinas

📍 Hsinchu, Taiwan (R.O.C) | ✉ gsalinaslopez.eic05g@nctu.edu.tw | ☎ +886 919204040
🌐 linkedin.com/in/gsalinaslopez | 🐙 github.com/gsalinaslopez | 💻 C/C++, Python, Java/Kotlin, Swift

Education

National Chiao Tung University (國立交通大學)

Masters in Electrical Engineering and Computer Science.

October 2020

Hsinchu, Taiwan

National Chiao Tung University (國立交通大學)

Undergraduate in Computer Science.

June 2016

Hsinchu, Taiwan

Experience

Industrial Technology Research Institute (工業技術研究院)

Software Developer. *Part-time (2018) | Internship (2017)*

Jan - Jun 2018 | Jul - Aug 2017

Hsinchu, Taiwan

- Developed a **Java/Android** encoder/decoder (*BER*) API wrapper for intelligent transportation networks by porting a native **C** runtime library (*ASN.1 C*)
- Implemented **Java/Android** high-level API wrappers for interfacing with the device's LTE Evolved Multimedia Broadcast Multicast Services (*eMBMS*)

EpiSonica (振聲科技)

Software Developer. *Part-time*

Sep 2016 - Oct 2017

Hsinchu, Taiwan

- Improved the company's ultrasonic medical device usage workflow by fixing critical UI/UX bugs in **C++/Qt**
- Developed hardware-software communication functionality using USB device interface serial communications

GeoThings (究心科技)

Software Developer. *Part-time*

Dec 2015 - Aug 2016

Hsinchu, Taiwan

- Designed UI/UX for an **iOS/Swift** mobile mapping tool by writing RESTful callbacks for fetching, processing, and displaying map information from OpenStreetMap
- Implemented a map tagging feature that uploads user-contributed data to the OpenStreetMap project database using RESTful

Research Publications & Academic Awards

IEEE International Conference on Communications (ICC)

Second Author. Conference Presenter

May 2018

Kansas City, MO, USA

- "V2PSense: Enabling Cellular-Based V2P Collision Warning Service through Mobile Sensing,"
C. Li, **G. Salinas**, P. Huang, G. Tu, G. Hsu and T. Hsieh.

National Chiao Tung University Scholarship

Scholarship Recipient

Sep 2016

- Outstanding new student award - Masters Program

Ministry of Foreign Affairs (MOFA) Taiwan Scholarship (外交部臺灣獎學金)

Scholarship Recipient

Aug 2011

- Pre-degree: Mandarin Language Enrichment Program
- Degree: Undergraduate Program

Technical Skills

Software Tools

- **C/C++**: Unix/POSIX OS system programming , **Python**: Data Sciences (*pandas, numpy, matplotlib, tensorflow*), **Mobile App development**: XCode (*iOS - Swift*), Android Studio (*Android - Java/Kotlin*), **Version Control**: Git

Language

- **English**: Advanced (*TOEFL iBT score 104/120*), **Mandarin Chinese**: Intermediate/Advanced (*TOCFL score 80/100*), **German**: Basic/Intermediate (*TestDaf B1 certificate*), **Spanish**: Native