

# Giovanni Salinas

📍 Hsinchu, Taiwan (R.O.C) | ✉ gsalinaslopez.cs01@nctu.edu.tw | 📞 +886 919204040  
🌐 linkedin.com/in/gsalinaslopez | 🐙 github.com/gsalinaslopez | 💻 C/C++, Python, Java/Kotlin, Swift

## Education

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### National Chiao Tung University

Masters in Electrical Engineering and Computer Science.

October 2020

Hsinchu, Taiwan

### National Chiao Tung University

Undergraduate in Computer Science.

June 2016

Hsinchu, Taiwan

## Experience

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### Industrial Technology Research Institute

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

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

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

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### 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

Scholarship Recipient

Aug 2011

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

## Technical Skills

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### 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