

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

National Chiao Tung University

Masters in Electrical Engineering and Computer Science. *GPA: 3.61, Percentile: 81.48/100*

October 2020
Hsinchu, Taiwan

National Chiao Tung University

Undergraduate in Computer Science. *GPA: 2.85, Percentile: 73.13/100*

June 2016
Hsinchu, Taiwan

Experience

Industrial Technology Research Institute

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

Jan - Jun 2018 | Jul - Aug 2017
Hsinchu, Taiwan

- Developed an **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

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

Language

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

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