# Giovanni Salinas

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 linkedin.com/in/gsalinaslopez |  github.com/gsalinaslopez |  C/C++, Python, Java/Kotlin, Swift

## Education

**National Chiao Tung University** — *October 2020*
Masters in Electrical Engineering and Computer Science. *GPA: 3.61, Percentile: 81.48/100* — *Hsinchu, Taiwan*

**National Chiao Tung University** — *June 2016*
Undergraduate in Computer Science. *GPA: 2.85, Percentile: 73.13/100* — *Hsinchu, Taiwan*

## Experience

**Industrial Technology Research Institute** — *Jan - Jun 2018 | Jul - Aug 2017*
Software Developer. *Part-time (2018) | Internship (2017)* — *Hsinchu, Taiwan*

- Developed an **Java/Android** encoder/decoder *(BER)* API wrapper for intelligent trasportation 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** — *Sep 2016 - Oct 2017*
Software Developer. *Part-time* — *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** — *Dec 2015 - Aug 2016*
Software Developer. *Part-time* — *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)** — *May 2018*
Second Author. Conference presenter — *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** — *Sep 2016*
Scholarship recipient

- Outstanding new student award - Masters Program

**Ministry of Foreign Affairs (MOFA) Taiwan Scholarship** — *Aug 2011*
Scholarship recipient

- 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**: Intermetiate/Advanced *(TOCFL score 80/100)*, **German**: Basic/Intermetiate *(TestDaf B1 certificate)*, **Spanish**: Native