

# Carlos Joco Gumanay



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- <https://github.com/jocogum10>
- <https://jocogum10.github.io/resume/>

## Work Experience

### Pilot Development Engineer

TMX Philippines, Inc.

April 2017 - Present

MEZ 1, Lapu-lapu City, Philippines

- Ensures the successful transition of new products (quartz analog and digital watches) from development stage to a qualified mass-produced status.
- Ensures product design manufacturability by: initiating the review of product and process design; lead the cross-functional team in the development and in the piloting activities (line set-up, tool debugging, and process qualification); generate/release/update product and process documentation of the new product.
- Other responsibilities aside from the pilot project; I was also responsible for test and measurement of watches that have Bluetooth and GPS functionality/capabilities. Currently, I am tasked to develop a desktop GUI application using Python that communicate to Bluetooth enabled devices to retrieve data to store in a database using MySQL.

### Process Engineer

TMX Philippines, Inc.

May 2015 - March 2017

MEZ 1, Lapu-lapu City, Philippines

- Ensures that the parts produced conforms to the manufacturing quality standards by maintaining or improving and documenting the capability of the process.
- Provides supervision/guidance of assembly line process/equipment support personnel that ensures optimum operating conditions of the production and non-production machines, tools, and equipments.
- Addresses any issue regarding rejected parts by defining possible rework procedures and disposition of parts depending on the non-conformance/reject.
- Define and maintain the process documents of the matured models (Process Flow and Control Plan, Work Instructions, Visual aids, etc.)

## New Product Development Projects

### Pilot Development Projects:

- Timex Expedition Solar Project
- Timex Expedition Combo Project
- Timex Men/Women Ironman Transit Project

### Test and Measurement Initiatives:

- Bluetooth RF PHY test integration using LabVIEW
- Antenna gain testing using LabVIEW
- Python graphical user interface to communicate with Bluetooth Devices

## Skills

- Basic knowledge of quality control standards, manufacturing processes, assembly methods, tooling and production equipment

- Practical competency in project management, and effective communication skill
- Basic programming in Python, C, LabVIEW, HTML, and CSS

## Educational Attainment

College: University of San Carlos - Technological Center  
Bachelor's Degree in Electronics and Communications Engineering

High School: University of San Carlos - North Campus

Elementary: Hipodromo Elementary School

## Personal Details

Date of Birth: October 10, 1992

Gender: Male

Marital Status: Single

Nationality: Filipino

Languages Known: English, Filipino, Cebuano

## Personal Projects

### Python:

- Simple Text Editor
- Simple Stock Trade Calculator

### HTML and CSS:

- Web version resume/portfolio

### C:

- Temperature and Humidity Indicator using an Arduino Uno