

IVÁN TONATIUH MARTÍNEZ RAMÍREZ

SOFTWARE DEVELOPER

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OBJECTIVE:

College student looking for an internship position to gain experience, improve my skills, learn about software development and its paradigms from my teammates and senior developers through designing, developing and maintaining software.

PROFESSIONAL ACHIEVEMENTS

Software Development.

- Creation of a Notes App for android, implementing local (SQLite) and remote databases for the storage of the notes and making use of multiple android resources.
- Programming of a personal graphics library on Java, creating my own methods for basic graphical operations like drawing lines, circles, filling figures, converting from 3D to 2D, 3D translation, rotation and escalation among many others. All methods being used for creating small video games animations like a 2D snake clone or a 3D car driving game.
- Development of a car rental website, using React and implementing non relational databases.

Electronics and Communications.

- Building and operating an embedded system using the Intel 8051 microcontroller
- Design and build of multiple electronic circuits as DC voltage power supplies, sensor-based circuits, simple function generators, amplifiers etc.
- Design and creation of a management and administration system of medication pills integrated into a pillbox as an academic research project, with the use of a microcontroller (ESP32), various sensors and the addition of a wristband (Using the ATmega8 microcontroller) for the alerts. Designed especially for elders or people with memory disorders.

SKILLS

Languages:

English: B2 (Upper intermediate).

Spanish: Native.

Programming Languages and Frameworks

C, C++ (basic), Java, HTML, CSS, Python (basic), MySQL, React (basic)

Extras:

- Fundamentals of electronic circuit design.
- Machine Learning Fundamentals.
- Microcontroller programming.
- Visual art basics and Artistic profile.
- Familiarity with Linux.

EDUCATION

- B.SC. Software Development Engineering. Centre For Technical Industrial Studies (CETI) Guadalajara. México. (Feb' 20 – Dec' 23 EXP).
- Electronics Technologist. Centre For Technical Industrial Studies (CETI) Guadalajara. México. (Aug' 15 – JUL' 19).

HOBBIES

- Playing guitar and music production.
- Playing video games.
- Programming small projects for self-usage.
- Visual arts and design.