JUAN PAUL CRUZ CRUZ
IT Technician and Computer Systems Engineering student

AWARD

- **SOLVE FOR TOMORROW "PREMIO AL EMPRENDIMIENTO POLITÉCNICO" 2018-SAMSUNG MÉXICO**
  First prize in the **Smart cities and sustainable communities'** category with the **IoT project "SMART-TECH"** based in a **custom-made web app** and **Arduino devices** communicating with **radio frequency** and **internet protocols**. which **automate any property** or space.

LANGUAGES

Native Spanish and **B2 English** Level (FCE).

WORK EXPERIENCE

PRODUCTION ENGINEER INTERN • JUN 2021-SEP 2021• FACEBOOK

- **Wrote 16 integration tests** for **THAWS** (FB's Warm Storage Tests framework), specifically the file service, **ensuring** the **correct execution** of the Framework **operations.** As well as **set up** the **continuous mode** for the **WS main services.**

DEVELOPER AND IOT CONSULTANT • 2018-CURRENT• MEXBALIA SA DE CV
Junior leader of the Enterprise's **IT team** and **developer.**

- Built an **internal management system** to **improve** the way to **manage company's resources** and **store data for** later **analysis**
- Created the **"EDEN" product** which is **an IoT electronic system** implemented in **gardening within home**, with that we can give proper **care** to **our plants** and be aware of them from a mobile app **measuring and reporting its impact.**
- **SAP UX400 DEVELOPING UIS WITH SAPUI5 INSTRUCTOR. Taught** course **designed to university students** at "ESIME Unidad Zacatenco IPN" about the **best web developing practices** to **improve the user experience**.
- **SAP HANA 2.0 SPS03 - SQL AND SQL SCRIPT FOR SAP HANA INSTRUCTOR. Taught course focused** to **consultants** and **improved** the **understanding** of **SAP HANA DB**
- Created an **IoT open-source oximeter system** that allow people to track their spo2 levels and bpm**.** Very useful for **COVID Time**.

GOOGLE DSC LEAD • AUGUST 2020-AUGUST 2021• GOOGLE DEVELOPERS
As **DSC Lead**, I have had **my team and expert mentors** from **Google help students** to **learn** and **apply technologies**, just **as it is done in the world of work**, giving more than **50 classes**, and **connecting opportunities** with the **community**.

EDUCATION

TECHNICAL DEGREE• 2015-2018• CECYT 13 "RICARDO FLORES MAGÓN"

- **IT studies** in a science and technical high school whit **9.52/10 of GPA**, technical degree obtained with the **thesis project** named **SMART-TECH**, same which **won** the **prize** "premio al emprendimiento politécnico".
- **ESCOM IPN • 2018-JULY 2022**
  Currently **studying Computer Systems Engineering** with **9.22/10 of GPA**, **developing** and **improving** my **software**, **hardware** and **systems knowledge** and **skills**. And **founded** the **Google Developer Students Club ESCOM IPN**. Highlighting the subjects: **Operative systems, algorithmics and structured programing, data structures, databases, and OOP.**

ADDITIONAL COURSES

- **NEAR HISPANO BOOTCAMP - NEAR CERTIFIED DEVELOPERS LEVEL 1: I developed** a **smart contract** that **allows** to **store** and **share** through **P2P** the **state** of **IoT devices, using** the **NEAR Protocol blockchain.**
- **ESCOM ALGORITHMICS CLUB: learn** new **algorithms** and **problem-solving techniques preparing ourselves** to **contest** in the **ACM ICPC's contests** and others.
- **"IMPULSA, COMPETENCIAS PARA LA VIDA PLUS" 2018 • JA MÉXICO: Multi-disciplinary team**, we work in a **business plan** to **implement IoT** in **schools** and we develop a **mobile application** to achieve the **youth employment**. Developing **soft skills** for work and **problem-solving techniques**.
- **GOOGLE CLOUD PARTNER CERTIFICATION KICKSTART ASSOCIATE CLOUD ENGINEER • GOOGLE PARTNERSHIP**
- **GOOGLE CLOUD PARTNER CERTIFICATION KICKSTART PROFESSIONAL CLOUD ARCHITECT • GOOGLE PARTNERSHIP**
- **HOME AUTOMATION COURSE WITH ARDUINO • HOLA LAIKA**: Took an IoT course to create an Assistant to control many sensors and modules with a NodeMCU board, allowing to get KPIs like temperature, moisture, light level, gas presence, etc.

OCCUPATIONAL SKILLS COVERED

- **GNU LINUX Distributions: Debian, Ubuntu, OpenSUSE, CentOS and Linux Mint.**
- **Infrastructure and architecture** on **GCP** (**Kubernetes, App Engine, Compute Engine, Storage, Firebase**).
- **Programing Languages**: **C/C++** (Data structures), **Python** (Data structures, OOP, GPIO and Web), **Java** (Data structures, OOP), **C#** (Data structures, OOP and Web), **JavaScript** (Data structures, OOP and Web), **Shell Script** (Process Automatization).
- **Hardware:** Arduino, Raspberry Pi, NodeMCU.
- **Web developing, frameworks and libraries**: HTML5, CSS3, ASP.NET, jQuery, Bootstrap 4, React JS, Flask, SAP UI5.
- **Mobile developing**: Flutter and Android. **DBMS**: PostgreSQL, MongoDB, SQL Server. **Version control:** Git, Hg and GitHub

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