

Samuel Bautista Bastida

<https://sam200018.github.io/>

Email : samuelbaubas@gmail.com

Mobile : +52-558-786-9537

EDUCATION

- **Escuela Superior de Cómputo- Instituto Politécnico Nacional (ESCOM IPN)** Mexico City, MX
Bachelor of Science in Computer Systems Engineering; GPA: 81/100 Jun. 2020 – Jun. 2025
- **Preparatoria Oficial Anexa a la Normal de Ecatepec (High School)** State of Mexico, MX
General Baccalaureate; GPA: 9.40/10.0 Aug. 2015 – Jul. 2018
- **A member of Algorithm Club in ESCOM**
Aug. 2021 – Present

EXPERIENCE

- **Web Developer Internship**
Intranet Nov 2020 - Apr 2021
 - **Logistic:** Improved the equipment order of the organization to know its status by adding images and documents
 - **Fast Information:** Implemented a search bar to look up the matched equipment and employee or enable equipment.
 - **Workflow:** Enhanced the administration's workflow by using the employee's permissions to show the navigation bar

PROJECTS

- **Pills App**
Mobile App Jun 2022 - Present
 - **Dart, Flutter, Firebase:**
 - : Shows a list of medicines in your house.
 - : Allows adding new medicines with their name, dose, content, expiry date, and active compounds.
 - : Notifies about expired medicines.
 - : Helps with the searching using each active compound of every medicine.
- **Temperature Measurement From pt100 Sensor**
Mobile App Jan 2023
 - **Dart, Flutter, Arduino, Bluetooth Serial:**
 - : Shows the measure from pt100 measure in binary and Celsius degree.
 - : Scans near devices looking for HC-05 Bluetooth, connect using a password 1234, and change to measurement screen.
 - : Gets the information from Bluetooth stream of utf8, then the input is transformed to string to show on the device screen.
- **Fast Fourier Transform App**
Mobile App Dec 2021
 - **Dart, Flutter:**
 - : Uses functions like Cos and Sin with some input parameters by the user
 - : Loads a text file with the exponential discrete sample
 - : Shows a graphic of the signal processing in complex form using the FFT algorithm.
- **Automaton Words Searcher**
Console App Dec 2021
 - **Kotlin:**
 - **DFA:** Goes through the string and checks if is valid or not.
 - : Detects given words in text files or console input by the user.
 - : Saves the places where found valid strings if the user chose a text file as input.

PROGRAMMING SKILLS

- **Languages:** C++, Dart, Kotlin, JavaScript, C, Java
- **Technologies:** Flutter, Android, MySQL, Github

AWARDS

- **Participant in the Grand Prize of Mexico (ICPC)** in 2021
- **Participant in the Science Week at my High School** in 2018