

SAMUEL ENRIQUE ALONSO HERNÁNDEZ

<https://github.com/SamuelAlonso-debug>

PROFESSIONAL OBJECTIVES

SOFTWARE ENGINEER:

- Objective: As a Software engineering student with strong foundations in machine learning, databases management, and cloud architecture. I aim to contribute to innovative projects that blend software development, data analysis and user-centric design, while continuously improving my technical and team collaboration skills.

SKILLS

Languages

Java, Python, C++, Kotlin, JavaScript, HTML5, CSS3, PHP.

Data Base

MySQL, Oracle, Azure, SQLite, Fire Base, MongoDB.

Soft Skills

Problem solving, Empathy, Effective communication, Leadership.

PROJECTS

Air Quality Control (Python):

- Real-time predictive model of air quality variables.
- The objective is to reduce costs for obtaining air quality data and apply it to a social and industrial environment.
- Developed with multiple ML tools and prioritizing initial data analysis.

FinGO (Kotlin):

- App to unify and control all personal finances.
- Integrated with FinnHub, Banxico, Firestore, and Marketaux APIs to improve user experience and data accuracy.

Intelligent Streets (Python):

- Software for changing the traffic light algorithm with real-time image analysis.
- The objective is to improve traffic flow with few resources, facilitating its implementation with accessible budgets.
- Developed in Python using client-server architecture, neural networks to identify objects, and threaded processing to improve efficiency.

EDUCATION

Universidad Autónoma De Querétaro, Facultad de Informática.

Aug, 2022 - Present.

Bachelor of Software Engineering

- Coursework: Algorithms, Programming, Data Structure, Databases, Networks and communications, Artificial Intelligence, Machine Learning, [others](#).

Centro de Bachillerato Tecnológico Industrial y de Servicios No. 118.

Ago, 2019 - Jul, 2022.

Technical Career in Programming.

- Coursework: Object-oriented programming, Event-driven programming, Web Pages, Mobile Apps.

Extra Courses:

- AWS Academy Cloud Foundations. (AWS)
- Data Analysis and Digital Transformation in Companies. (UAQ)
- Introduction to Video Analysis. (UAQ)