

# PABLO ENRIQUE VALENCIANO VARGAS

Computer Engineering Student | Software Development & Databases Enthusiast

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## PROFESSIONAL SUMMARY

Motivated and detail-oriented Computer Engineering student with a strong interest in software development, databases, and cybersecurity fundamentals. Experienced connecting databases to applications, analyzing program logic, and working collaboratively on academic projects using agile methodologies. Knowledge in Python, Java, SQL, and modern database tools such as PostgreSQL, MongoDB Atlas, and Firebase. Eager to keep learning and contribute to software engineering operations through analytical thinking, teamwork, and continuous improvement.

## EDUCATION

Bachelor's in Computer Engineering  
**Universidad Latinoamericana de Ciencia y Tecnología (ULACIT), Costa Rica**  
01/2024 - Present  
Expected Graduation: September 2026

## PROJECTS & PRACTICAL EXPERIENCE

### Luggo App — Social Network Prototype

Developed a social-style mobile app using Firebase Authentication and Firebase Storage for managing user login and image uploads. Gained experience connecting a cloud database to the application and structuring secure data storage.  
**Tools:** Firebase, Visual Studio Code, Authentication Methods, Cloud Storage

### Sales Management Database Project

Designed a normalized relational SQL database for a blinds company using SQL Server. Defined primary/foreign keys, one-to-one and one-to-many relationships, and ensured referential integrity.  
**Focus:** Relational design, Normalization, Query analysis

## LANGUAGES

**English**  
Proficient 

**Spanish**  
Native 

## SKILLS

### Programming & Databases:

Python, Java, SQL, PostgreSQL, MongoDB (Compass & Atlas), Firebase (Authentication & Storage)

### Software & Development Tools:

NetBeans, Visual Studio Code, Git/GitHub, Oracle VirtualBox, XAMPP

### Operating Systems & Cloud Tools:

Windows, Linux (Ubuntu, Kali), Oracle Cloud, Linode, Azure DevOps

### Methodologies & Practices:

Agile (Scrum), Object-Oriented Programming, Software Documentation, Version Control

## RELEVANT COURSEWORK

### Operating Systems

### Data Structures and Algorithms

### Networking Fundamentals

### Software Requirements Engineering

### Agile Project Management

### Computer Security (Fundamentals)

## KEY COMPETENCIES

### Analytical and structured problem-solving

### Strong curiosity and continuous learning mindset

### Effective teamwork and communication

### Adaptability to new environments and technologies

### Basic understanding of networking and system setup