

Abril Villavicencio

Naperville, IL | abrilvillavicencio02@gmail.com (832)353-6539

Education

North Central College | Naperville, IL

Bachelor of Science in Computer Science

Graduated: May 5th, 2024

GPA: 3.11/4.0

Courses Taken: Data Mining, Operating Systems, Database Systems, Linux Programming, Algorithm Design & Analysis, Computer Organization & Design, Object Oriented Software Development, Data Structures, Discrete Structures, Calculus II

Most Recent Project: "Mod My Ride," a mobile app for car enthusiasts. Built with Python and Flet UI framework, the app offers interactive visualization of car modifications, secure user authentication, and integration with a car database API. It features 3D modeling for accurate previews of modifications and recommendation algorithms for compatible parts. This project showcases my skills in Python, front-end development, API integration, 3D modeling, and user-centric design.

Work Experience

Banco Ficohsa | Tegucigalpa, Honduras

Software Architect Intern

June 2023 – August 2023

- Functioned as an Integration Architect and gained an understanding of Ficohsa's software architecture and how their different regional core systems across Guatemala, Nicaragua, El Salvador, Panama and Honduras are integrated through the middleware layer (Service Bus).
- Participated in a project to upgrade and migrate the integration middleware (enterprise service bus) from version 11g to version 12c.
- Developed APIs for integration with various regional banking cores (GT, PA, NI, HN).
- Created technical documentation for services and installation manuals for service usage and implementation.
- Acquired proficiency in the following tools: Oracle Service Bus, JDeveloper, SoapUI, Eclipse.
- Actively participated in group meetings and completed all tasks using Agile methodology under the SCRUM framework.

North Central College Campus Store | Naperville, IL

Sales Representative

August 2021 – May 2024

- Greet, receive and interact with customers assisting them with their purchases
- Process customer payments and record inventory

Soccer Team Database Implementation | Naperville, IL

Project Manager

October 2023 – December 2023

- Led a team of four in designing and implementing a Java-based database using JDBC API and MySQL for a soccer team management system.
- Directed the project from conceptualization to execution, ensuring adherence to industry best practices and project deadlines.
- Managed the integration of optimized SQL queries to enhance database functionality.
- Demonstrated expertise in Java programming (Eclipse IDE) for seamless database integration.

Skills

- Proficient in Excel, Word, and PowerPoint
- Intermediate in Python, C++, Java, Linux (Ubuntu), Flet UI, and SQL Workbench
- Experienced in Program Design, Matplotlib, TensorFlow, Pandas, NumPy, Bash Linux Scripting, Arduino, and Assembly Programming
- Fluent in English and Spanish