

Dennis Martin Vivas

E-mail: vivasdema@gmail.com |

Cellphone: (260) 255-2784 |

Fort Wayne, IN

Professional Summary

I am a dedicated Software Developer focusing on data science and analytics, with extensive experience in database programming. I have a strong background in leveraging various programming languages and SQL to extract insights and drive informed decision-making. I am skilled in leading analytical projects and communicating complex findings to stakeholders. Committed to continuous learning, I am eager to contribute my expertise in data analytics to create innovative solutions and drive business success.

Technical Skills

Data Analytics: Pandas, Numpy, Matplotlib, ETL Process, Data Wrangling, EDA.

Machine Learning: TensorFlow, Keras, OpenAI, Hugging Faces, Jupyter Notebooks.

Database: Oracle SQL, SQL Server, MySQL, ER models, SQL Optimization.

Programming: Python, R, Java, Eclipse, IntelliJ, NetBeans, JDeveloper, Django, FastAPI, GitHub.

Cloud & Web Development: HTML, JavaScript, CSS, React, Sass, Google Cloud Platform.

Professional Experience

Data Analyst & QA- TAP (Purdue University Fort Wayne, IN) **2024**

- Coordinated multiple projects with colleagues and professors, ensuring timely completion.
- Performed data cleaning, data wrangling, and EDA using Python.
- Conducted QA on code, improving and correcting errors and communicating solutions.
- Analyzed data and created visualizations of the information for the client.

Senior Software Developer (Cloud Information Solution Lima, Perú) **2015- 2022**

- Migrated ERP software from Oracle Forms to Jdeveloper using Java and Groovy, improving UI.
- Created and modified features in the database and front-end enhancing functionality.
- Optimized and corrected features to enhance response time in reports and processes, achieving over a 100% improvement in efficiency for several critical tasks.
- Instructed, coordinated, and assigned tasks to Junior Developers, fostering teamwork.
- Met with customers to understand their needs and requirements, ensuring customer satisfaction.

Junior Software Developer (Intratego Lima, Perú) **2014- 2015**

- Planned, analyzed, and developed new functionalities in ERP software using PL/SQL.
- Created and modified forms and reports in ERP software according to needs.
- Developed a ticketing system to track client requirements and employee activities.

Global Information System Intern (Franklin Electric Bluffton, IN) **2012- 2013**

- Set up computers for employees using computer images, according to their needs.
- Troubleshooted computer-related problems and assisted employees.
- Managed employee computer lease swaps and returns effectively.

Education

Master of Science in Computer Science

Purdue University, Fort Wayne, IN. Graduated: 2024. Overall GPA: 3.8

Bachelor of Science in Computer Science with a minor in Accounting

Huntington University, Huntington, IN. Computer Science GPA: 3.2

Projects

Patience's Experience for Public Health: Data Analysis on the Public Health System

- **Technologies used:** Pandas, Numpy, Matplotlib, EDA, GitHub
- Conducted analysis and visualization of public health data.
- Focused on satisfaction and analysis of eight features.
- Analyzed and generated visualization for satisfaction by region and state.
- Key Findings: Overall the experience of public healthcare nationwide is consistent but the Midwest has a slightly better experience.

Learning Assistant: Enhancing Classroom Accessibility for diverse learning needs

- **Technologies used:** Python, GitHub, FastAPI, OpenAI, Google APIs, Docker, Google Cloud
- Enabled live voice recording and conversion to text.
- Implemented live processing including summarization, translation, and text correction.
- Deployed the project on Google Cloud.
- Collaborated with the sponsor to gather requirements and ensure the tool met expectations.
- Sponsor Feedback: The sponsor was happy with the end product and shared it with other members of the Disability and Accessibility Center at the university.

Bowling Scoring System: API team providing back-end solution

- **Technologies used:** PostgreSQL, Java, IntelliJ, Postman, GitHub
- Led the API section of the project, coordinating with Front-End team members.
- Facilitated regular team meetings to ensure project milestones were met.
- Designed the database schema and developed the back end.
- Enabled users to create teams, join leagues, report scores, and view information.
- Allowed administrators to create leagues, matches, and teams, and update scores.

Topos: Room Draw process for Huntington University

- **Technologies used:** VB.NET, SQL Server.
- Student side: Enabled students to choose a roommate and reserve a room.
- Administration side: Enabled supervision of the process and modification of room selections.
- Feedback and Iterations: Overall, the feedback from students was very positive, with less wait time to select a room. However, after 2 years, the university decided to stop using the system due to a lack of technical support.

Extracurricular activities

- Member, Hispanos Unidos at Purdue University
- Member, InterVarsity Christian Fellowship at Purdue University
- Volunteer and Co-Leader of Hispanic ministry 'A lo Nuestro', at Huntington.
- Leader and co-founder of the Spanish Club at Huntington University
- Member, Huntington University Tennis Team
 - o Two-time Doubles Champion, Crossroad League Conference
 - o Team Champion, Crossroad League, with the opportunity to play Nationals
 - o Team co-captain in the last two years
- Spanish Tutor, the Learning Center at Huntington University
- Member, Technology Services Team at Huntington University

Online Profiles

- LinkedIn: [linkedin.com/in/demavior](https://www.linkedin.com/in/demavior)
- GitHub: github.com/demavior
- Website: demavior.github.io