Dennis Martin Vivas

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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, using SQL.
- 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 impressed with the final product and the team's ability to deliver a high-quality solution.

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: The system was implemented and well received by students, who found it easy and more time efficient. However, the system was used only for two years, due to lack of support from the administration.

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
- GitHub: github.com/demavior
- Website: demavior.github.io