

Amanda Gomez

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WORK EXPERIENCE

BMW Manufacturing Co., LLC

Digital Initiatives Analyst

Present

Greer, SC

- Aiding in the creation of data visualizations and dashboards for all levels of Assembly management to facilitate informed decision-making processes.
- Creating and reviewing technical and user documentation, presenting complex information on a webpage for easy comprehension and accessibility.
- Setting up a low-code app development environment, constructing a basic app framework, conducting testing, and iterating to enhance functionality and user experience.
- Taking responsibility for troubleshooting and resolving various IT incidents related to new technologies, showcasing a proactive approach to problem-solving and technical proficiency.
- BMW Project Portfolio:
https://drive.google.com/file/d/1bb_H3QXKjnHxhKr4XLX4DLLjpUGPiMKt/view?usp=sharing

Revature

Entry Level Software Engineer

Jan 2023 - Jun 2023

Remote

- Completed a paid training program in software engineering, including coursework in algorithms, data structures, and Object-oriented Programming and design principles such as encapsulation, abstraction, polymorphism, and inheritance.
- Collaborated with a team of developers to design and implement software solutions for clients in various industries.
- Contributed to the development and maintenance of applications using technologies such as Python, Java, and SQL.
- Participated in code reviews and utilized version control tools to ensure code quality and maintainability.
- Gained experience with Agile development methodologies, including daily stand-ups and sprint planning meetings.
- Improved problem-solving and critical thinking skills through challenging coding exercises and real-world development scenarios.

Westview Services

Junior Financial Analyst

May 2019 – Dec 2023

Anaheim, CA

- Codes such items as invoices, vouchers, expense reports, check requests, etc., with correct G/L codes conforming to standard procedures to ensure proper entry into the MIP system.
- Process remittance information from checks, drafts and wire transfers for invoices provided by vendors, reviewing instructions accompanying items to determine proper disposition and crediting accounts in accordance with standard procedures
- Investigates and resolves problems associated with processing of invoices and purchase orders.
- Assist with program auditing
- Oversee all CapEx projects
- Receives, researches and resolves a variety of routine internal and external inquiries concerning account status, including communicating the resolution of discrepancies to appropriate persons

PROJECTS

Vehicle Manufacturing Data Analysis Dashboard

Aug 2023

Personal

- Developed the VMD Analysis Dashboard, an interactive web application using Python Dash, hosted on Microsoft Azure, providing in-depth exploration of real vehicle manufacturing data.
- Utilized real vehicle manufacturing data from Kaggle to create interactive charts and graphs powered by Plotly Express, enhancing data visualization capabilities.
- Conducted comprehensive data exploration and visualization project

- Utilized Python, NumPy, Pandas, and Matplotlib to analyze and visualize the dataset.
- Designed a user-friendly interface with Bootstrap templates for a seamless user experience.
- Successfully deployed the application on Microsoft Azure for easy access and availability.
- Project repository available on GitHub: <https://github.com/LadyEngineerHere/VMD-Analysis-Dashboard.git>
- Skills: Microsoft Azure, SQL, Bootstrap, Data Visualization, Data Exploration, CSS, HTML, Python.

Autonomous Vehicle Controller User Interface (UI) Development

Jan 2023 –May 2023

Clemson University

- Collaborated on a team to develop a user-friendly and functional UI for the Deep Orange 14 autonomous army vehicle.
- Gathered requirements and designed a high-fidelity prototype using Figma.
- Translated the design into a fully functional UI using HTML5/CSS in Visual Studio Code.
- Implemented data display and an emergency brake warning system for enhanced safety.
- Incorporated intuitive visual cues and icons for easy navigation.
- Successfully delivered an improved control and monitoring experience.

EDUCATION

Clemson University

Master of Automotive Engineering

Jan 2024 - Present

Greenville, SC

California State University, Los Angeles

Bachelor of Science in Business Administration, (Finance)

May 2019

Los Angeles, CA

Oakton University

CSS-155: Introduction to C++ Programming

Jan 2023 - May 2023

Des Plaines, IL

CERTIFICATES AND SKILLS

Certificates: Microsoft Azure Fundamentals AZ-900, Splunk Fast Start Power User

Skills: C, C++, Java, Python (Proficient in data exploration, visualization, and analysis using NumPy, Pandas, Dash and Matplotlib), SQL, HTML/CSS, Angular, Typescript, JavaScript, Node.js, Jasmine, Express.js, REST API, PHP, XAMPP, Figma, Blender, Microsoft Office, Front End Web Design, Bootstrap 5, Flask, Django, Splunk, Financial Analysis, Statistical Knowledge, Data Cleaning, Minitab, SAP, Excel, Six Sigma, 5S, Microsoft Azure, Jira, Confluence, Git Bash, PowerPoint, Teams, Power Bi, APEX, Machine Learning Models