

ALEX GARCIA

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WORK EXPERIENCE

Teacher. Orange County Public Schools. October 2023-Current

- Analyzed weekly testing data to identify areas for curriculum improvement, creating and adapting materials aligned with state standards and educational objectives, resulting in improved student performance across all metrics.
- Integrated technology tools to enhance the learning experience, fostering a positive and inclusive classroom environment that boosted student engagement.

Adjunct Professor. Florida International University. August 2022-August 2023

- Collaborated with FIU faculty to implement effective pedagogical strategies that supported student success in Freshman English, identified by FIU as a key indicator for increasing 4-year graduation rates.
- Led the integration of AI models in the classroom, creating guidelines to instruct students on proper usage while addressing the rise in AI-related cheating.

Web Developer/ Content Editor. Half/Full Agency. November 2018-August 2022

- Developed and maintained company website using HTML/CSS/JavaScript to ensure responsiveness and cross-browser compatibility of web applications.
- Collaborated with management on design and implementation of new features to align with company social media campaigns.

Officer. Florida Army National Guard. November 2015-October 2018

- Managed and maintained tactical communication systems, ensuring uninterrupted voice, data, and signal operations for infantry units during missions and training exercises.
- Led a team of signal personnel in the deployment and troubleshooting of satellite, radio, and network communication systems in support of operational requirements.
- Developed and executed communication plans for joint military operations, coordinating with multiple units to ensure secure and reliable communication channels.

Communications Specialist. Florida Army National Guard. June 2010-November 2015

- Established, maintained, and dismantled battlefield support systems for Military Intelligence Battalion Headquarters.
- Tested, evaluated, and troubleshoot network systems, including LAN and WAN, while training users on their basic functionalities.
- Installed, configured, and maintained 15 vehicle radio systems to facilitate communication with the Battalion TOC across multiple training areas.

PROJECTS

Database – Created a relational database using MySQL to track my student's performance across multiple testing platforms to create a more cohesive picture of benchmark understanding. I loaded preliminary 2023 data using DML and then have been updating the database using MS Access and the MySQL Import Wizard. I plan on creating a data pipeline to extract data from exported CSV files or directly from original sites to automate the process.

SKILLS

RDBMS- MySQL, Oracle Autonomous DB
NoSQL- AWS Dynamo, MongoDB
Proficient in SQL- DDL & DML, Querying

SQL Programming- Triggers & Procedures
VM- Oracle, Azure, AWS, VMWare
Familiar with Linux and command-line scripting in BASH

CERTIFICATIONS

CompTIA Data+
Oracle Cloud Essentials
Oracle Database and SQL
Operation Support and Services
Computer Information Data Specialist

EDUCATION

Master of Arts (MA), English, Writing and Rhetoric
Florida International University, Miami, FL 2023
Bachelor of Applied Sciences (BAS), Computing
Technology & Software Development
Valencia College, Orlando, FL. 2026