

Jorge Gonzalez

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EDUCATION

The University of Texas at El Paso (UTEP)
Bachelor of Science in Computer Science
Minor in Mathematics

Expected to Graduate: May 2026
Major GPA: 3.15

Relevant Coursework:

Discrete Math, Elem. Data Structures & Algorithms, and Digital System Design I

SKILLS

- Advanced skills in Java, Intermediate knowledge of python
- Basic understanding of HTML and Web Development
- Proficient in designing and implementing software solutions, including Java-based systems, image processing, game development, and library management applications, utilizing object-oriented programming, file handling, and data structures like sets, dictionaries

PROJECTS

UtepTube (2023) – Java Video Playlist Management System

- Developed a command-line application in Java to manage a video playlist system using data from a CSV file.
- Implemented features allowing users to list videos, add videos to a playlist, view the playlist, and clear the playlist.
- Extensive use of File I/O, String Parsing, Array Manipulation, User Input Handling, Conditional Logic, and Time Calculation

Image Processing Filter Application (2023) – Java

- Programmed an image processing application in Java to apply various filters
- Implemented algorithms to manipulate pixel data, applying customer filters such as grayscale conversion and a mirror effect by swapping pixel positions
- Extensive use of Image file handling, Nested Looping, Matrix Operations, Custom Algorithm Design

Wordle (2023) – Java

- Implemented game mechanics for reading puzzle words from a file and validating user guesses against a dictionary.
- Created a user feedback system using custom classes to provide color-coded results for each guessed letter
- Applied array manipulation for storing and processing multiple guesses, and string manipulation to evaluate user input

Library Management System (2024) – Python

- Developed a python-based library management system to efficiently manage books, authors, and customers.
- Implemented core functions like adding books, registering customers, borrowing/returning books, searching for books, recommending books, and managing waitlists.
- Applied dictionaries and sets to load book data and populate the system's database dynamically

WORK EXPERIENCE

IT Management

Immanuel Christian School

08/2021 – Present

El Paso, TX

- Provide technical support to approximately 10 students and faculty members daily, resolving a wide range of network and desktop issues.
- Played a key role in resolving a critical issue where school-issued laptops were repeatedly disconnected from the supervised network by creating a dedicated organizational unit within Microsoft 365 Admin Center
- Implemented sequential naming of laptops to streamline tracking, improve detection of misconduct, and ensure more efficient network management.

Sales Advisor

Office Depot

07/2022 – 5/2023

El Paso, TX

- Assisted over 35 customers daily with finding any office supplies and other customer needs
- Managed up to \$1500 in transactions and returns at the cash register.

CLUBS AND ASSOCIATIONS

Association for Computer Machinery Member

The University of Texas at El Paso

Fall 2023

Google Developer Student Club Member

The University of Texas at El Paso

Fall 2023