

# Eduardo Ceballos

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## EDUCATION

### *Bachelor of Science in Computer Science*

Graduation: Dec/2025

The University of Texas at El Paso (UTEP)

GPA: 3.94

**Relevant Coursework:** Applied Data Structures | Data Structures | Advanced Object Oriented Programming | Software Development Studio | Discrete Structures | Automata | Computer Programming | Programming Languages | Digital Systems and Design

## PROFESSIONAL EXPERIENCE

Software Engineer at **Goldman Sachs**

Jun 2024 – Aug 2024

### Intern

Dallas, Texas

- Constructed an application with **AWS CDK** using **TypeScript** to connect **Lambda** functions over a WebSocket protocol to allow real-time communication between server and clients ensuring a low latency on messages
- Aided clients to onboard into **AWS Api Gateway V2** WebSocket service in the cloud, ensuring compliance with organization securities policies such as **SSL/TLS** calls along with **S3 Bucket** for logging and employing load balancers to redirect client's traffic to servers using **ECS** containers

Tech Exchange Program at **Google**

Jan 2024 – May 2024

### Cohort

San Francisco, California

- Implemented data structures in coding problems using Python, ensuring optimal time complexity and making the code efficient
- Prepared mock interviews to apply and explain knowledge of Applied Data Structures effectively during interview interactions

Software Engineer at **Geedop**

May 2023 - Aug 2023

### Intern

El Paso, Texas

- Developed an application using **SwiftUI** and **Amazon AWS** that provides an intuitive user interface to manage and monitor a device's lighting sensors through augmented reality (AR)
- Applied and created multiple APIs using **Linux** to manage the WebSocket (Coral Device Board) and connect it to the application

## PROJECTS

MasterChef App

Jan 2024 – Apr 2024

### Team Member

El Paso, Texas

- Built an application in **CloudShell-Streamlit** using **Python** to generate cooking recipes based on available household ingredients
- Executed API calls to GenAI, administered the database with **BigQuery**, and implemented **Figma** designs for a seamless user experience

Expense Tracker App

May 2023 - Aug 2023

### Intern

El Paso, Texas

- Shaped and developed "Expense Tracker", an iOS application built using **Swift UI**, allowing users to maintain a comprehensive record of their personal expenses
- Apply data entry functionality to enable users to log their daily expenses with specific details such as category, date, and description

AI4ALL Heart Disease Prediction

Oct 2022 - Dec 2022

### Participant

El Paso, Texas

- Engineered a **Python**-powered machine to predict an individual's heart disease susceptibility using a pre-selected database
- Orchestrated a 4-member oral presentation highlighting medical innovation to integrate machine learning with physiological development

## HONORS & AFFILIATIONS

- Google Tech Exchange Scholar Jan 2024-Present
- CAHSI-GMIS Scholar Oct 2023
- College of Engineering Dean's list (UTEP) Jan 2023-Present
- Senator at Large (Student Government Association) Aug 2022-Dec 2022
- Alumni Association of UTEP Endowed Scholarship Recipient Aug 2021-Present
- Academic Excellence Chihuahua Scholarship Recipient Aug 2021-Present

## RELEVANT ACTIVITIES

Bloomberg Tech Lab on Campus

Apr 2024

### Lab Fellow

El Paso, Texas

- One of 40 students selected to collaborate with Bloomberg engineers in a small group setting to build an application using **RabbitMQ** and **Docker**
- Utilized Python to design and implement a robust message queue system using RabbitMQ, enhancing real-time data processing and communication between producer and consumer components
- Developed a deeper understand of core **Python/CS** concepts (Classes, Inheritance, OOP), as well as financial domain knowledge (Tickers, Industry Sectors)