
RAY CASTANEDA

(915) 494-8613 | racast915@gmail.com

EDUCATION

Bachelor of Engineering in Computer Science

12/2025

The University of Texas at El Paso (UTEP)

GPA: 3.5/4.00

- ❖ **Advanced Object Oriented Programing:** Learned object-oriented design and development, including encapsulation, inheritance, polymorphism, interfaces, and abstract classes
- ❖ **Data Structures:** Learned data structures including trees and graphs, and determining algorithm efficiency

Google Tech Exchange (Mentorship)

Class of 2024

- ❖ **Applied Data Structures:** Learned from Google engineers how and when to use various data structures for common software patterns
- ❖ **Software Development Studio:** Developed a full-stack web application as part of a team with Google software engineers providing coaching and feedback

SKILLS

- ❖ Proficient in Java and python
- ❖ Bilingual English (Native) and Spanish (Conversational)

ACADEMIC PROJECTS

Master Chefs Recipe Generator (Python)

- ❖ Developed a full-stack Streamlit application utilizing Google's Generative AI API (or Gemini) to generate recipes based on user-provided ingredients. The application also generated images of the potential dish, and is able to tune provided recipes to meet specific macronutrient requirements.
- ❖ Managed ingredient data in BigQuery to track usage frequency, user preference, and which page of the application ingredients were inputted.

Bank App (Java):

- ❖ Developed a Java banking application using abstract classes, interfaces, and the factory design pattern.
- ❖ Managed data from CSV files, supported transactions, and implemented role-based access control

INVOLVEMENT

Google Student development club, Member

- ❖ Learned about a range of technical topics and gain new skills through hands-on workshops, events, talks, and project-building activities.

Coding interview club, Member

- ❖ Practice solving and answering technical coding problems in a mock interview setting using data structures and algorithms

