

# FERNANDO MUÑOZ

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## EDUCATION

### The University of Texas at El Paso | El Paso TX

*Expected Graduation: May 2025*

Bachelor of Science in **Computer Science**, Concentration in **Software Engineering** | GPA: 3.65

**Fast Track** Undergraduate Program, **Master of Science in Artificial Intelligence**

Honors and Awards: Class of 2023 GMiS STEM Scholar, NSF S-STEM Scholar, 1<sup>st</sup> place Smart Cities AI Hackathon.

Relevant Coursework: Advanced Objected-Oriented Programming (Java), Database Management (PHP & SQL), Software Requirements (Python), Software Construction (Java), Machine Learning **Fast Track** (Python).

### El Paso Community College | El Paso, TX

*August 2023*

Associate of Arts in Computer Science | GPA: 3.88

Honors and Awards: 2023 IEEE Region V Third Place Student Poster Competition, 2022 GMiS Conference Second Place

Undergraduate Student Poster Competition, 2022 Enhanced Honors for Elem. Data Structures & Algorithms.

## EXPERIENCE

### Software Engineer Intern at American Express

*June 2024 – August 2024*

*American Express | Phoenix, AZ*

- Developed the **UI** for an internal testing tool used within the AMEX network using **ReactJS**, improving usability and
- Added **endpoints** to the tool using **Spring Boot** and **Maven**, enhancing backend functionality and integration with multiple **REST APIs**.
- Worked within a fast-paced **Agile** environment, contributing to a project with **continuous deployment** and **integration**. Adapted quickly to changes and collaborated effectively with cross-functional teams.
- Increased team productivity by **10%** by deploying the UI as a **Docker** component, streamlining the testing process and making the tool more accessible to other engineers.

### CAHSI Local Research Experience for Undergraduates

*February 2022 - February 2023*

*Computing Alliance of Hispanic-Serving Institutions | El Paso, TX*

- Conducted the research project *How to Program Fairness in Intelligent Systems: Breaking Status Quo Solutions by Using Explainable AI*.
- Conducted an in-depth analysis of prevailing learning models employed in the field of **Autonomous Vehicles**, contributing to a comprehensive understanding of their methodologies and limitations.
- Executed controlled experiments to investigate and evaluate the decision-making processes of test subjects, a pivotal contribution to refining our understanding of **human-AI** interactions in critical decision-making scenarios.

### Software Engineer Intern at Steele Consulting

*June 2021 - August 2021*

*Steele Consulting Inc. | El Paso, TX*

- Served as a dynamic full-stack intern in a highly collaborative **Agile** project management environment.
- Shadowed experienced professionals while actively contributing to **front-end** development for a cutting-edge shipping container tracking website, gaining hands-on experience using **AngularJs** and **NodeJs**.
- Assisted in the deployment of web applications utilizing **Docker** and **Heroku**, acquiring valuable insights into the intricacies of application deployment and cloud technologies.

## SKILLS & TECHNICAL TOOLS

**Languages:** Java(5 yrs.), HTML/CSS (5 yrs.), TypeScript (4 yrs.), C (1 yr.), Dart (6 months), Python (6 months), PHP (6 months), SQL(6 months), RISC-V(4 months).

**Skills & Frameworks:** NodeJs(3 yrs.), AngularJs(3 yrs.), Version Control(3yrs.), Docker(1 yr.).