

# Oscar Avendaño

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## Career Objective

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Motivated Computer Science student with a strong foundation in programming, algorithms, and software development. Seeking an internship opportunity to apply technical skills and problem-solving abilities in real-world projects. Eager to learn from industry professionals, contribute to innovative technology solutions, and grow within a dynamic, team-oriented environment.

## EDUCATION

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**California State University, East Bay** – Hayward, California

**B.S. in Computer Science** – Expected Graduation: **May 2025**

- o **Concentrations:** Software Engineering/Development
- o **Related Coursework:** Artificial Intelligence, Data Structures & Algorithms, Computer Networks, Website Development, Machine Learning, Object-Oriented Programming, Operating Systems, Mobile Programming

## PROJECTS

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**BlackJack** – Hayward, California

**Team Member** – August 2024

- Developed a BlackJack game using only Java in Eclipse to allow multiple users to play against the dealer.
- Implemented a server where the client can connect through the GUI, designed for an easy/fun user experience
- Created SRS documents, UML diagrams, and implemented the design while using JUnit for testing.

**Portfolio Website** – San Jose, California

**Creator** – July 2024

- Built a personal portfolio website using JavaScript, HTML, and CSS.
- Included an interactive navigation bar and links to projects and experience.
- Focused on clean but simple design to showcase my work, as well as my skills.

**FlashCard App** – Hayward, California

**Creator** – February 2025

- Built and designed a flashcard app in Android Studio using Java and XML to store various decks of flashcards.
- Created multiple menus for creating/editing flashcards, that can be accessed at any time, and managing user profiles.

**Artificial Neural Network** – Hayward, California

**Creator** – January 2025

- Designed and implemented an Artificial Neural Network (ANN) utilizing a backpropagation learning algorithm to effectively learn XOR gate logic.
- Applied error correction techniques to optimize network performance, improving accuracy through iterative training.
- Demonstrated foundational principles of Artificial Intelligence (AI) and Machine Learning (ML) by implementing and analyzing backpropagation's impact on network convergence.

**Full Stack Movie Reviews** – San Jose, California

**Creator** – March 2025

- Developed a movie review API by using Spring Boot and Mongo Database that allows users to write reviews on select movies and stores them for other users to reference.
- Implemented the website using HTML, CSS, JavaScript, and react to create a better user experience

## ACTIVITIES AND LEADERSHIP

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**CSU East Bay Men's Soccer** – Hayward, California

- Core team leader, contributing to the team's most successful season in over three decades.
- Fostered a strong team environment through excellent communication and leadership skills

## SKILLS

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**Programming:** Java, C++, JavaScript, HTML/CSS, PHP, Python

**Tools:** Android Studio, Eclipse, JUnit, MySQL, Visual Studio Code, Gantt Chart, GitHub, Spring Boot, MongoDB

**Platforms:** Windows, macOS

**Languages:** English, Spanish

