Oscar Avendaño

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Career Objective

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

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, OOP, Operating Systems, Mobile Programming

PROJECTS

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

Full-Stack Task Tracker– San Jose, California

Creator– June 2025
- Built a task management app with user authentication using React (frontend) and Spring Boot (backend) with JWT-based login and PostgreSQL for persistence.
- Deployed frontend on Vercel and backend on Railway, managing CORS, CI/CD, and secure environment configurations.
- Designed RESTful APIs and integrated full CRUD functionality with form validation, error handling, and responsive UI.

ACTIVITIES AND LEADERSHIP

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

Programming: Java, C++, JavaScript, HTML/CSS, PHP, Python
Tools: Android Studio, Eclipse, JUnit, MySQL, Visual Studio Code, Gantt Chart, GitHub, Spring Boot, MongoDB, React, PostgreSQL, Maven, JWT, Vercel, Railway, Git, IntelliJ, Postman, Docker
Platforms: Windows, macOS
Languages: English, Spanish