Josué Castellanos

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EDUCATION:

California State University, East Bay **Hayward, CA**
B.S. in Computer Science (GPA: 3.4) *Graduation Date: May 2024*
- Organizations/ Awards: Dean's Honors List, IEEE

Skills: C++, Java, Python, MySQL, HTML, CSS, C, Assembly, Javascript, UML, Thinkscript, quick-learner, communicative, team worker, problem-solver, Spanish(fluent).

Interest: Option Trading, writing scripts using Thinkscript

RELEVANT COURSES & PROJECTS

Courses: Data Structures & Algorithms, Artificial Intelligence, Database Architecture, Mobile Programming, Web Development, Operating Systems, Software Engineering, Security & Information Assurance, Computer Networks, Computer Organization & Assembly Language.

X86_64 Operating System **California State University, East Bay**
Course: Operating Systems December 2023
- C, Assembly, Docker, QEMU, GRUB
- Created basic Operating System from scratch inspired by OSDev wiki with a FAT32 file system with the purpose of managing files and memory using C and Assembly.
- My goal was to learn about memory management, file management, and how to work with low level computing and understand how an OS works.

Chess Game Android App **California State University, East Bay**
Course: Mobile Programming December 2023
- Java, XML, Android Studio
- Designed a local Two-Player Chess Game App with the purpose of having a unique environment and moving pieces using Java.
- Implemented the functionality of each moving piece in respect to the location and its available moves on the board using pattern algorithms.

Flashcard Study Android App **California State University, East Bay**
Course: Mobile Programming December 2023
- Java, XML, Android Studio
- Designed the UI features, activity lifecycle and state functionality for a Flashcard App Activity while saving data with shared preference and using modern animations.
- Learned the lifecycle of an application and how to design the UI and functionality of Activities in an Android App.

Communication Project **California State University, East Bay**
Course: Software Engineering May 2023
- Java, UML Diagrams
- Implemented UML Use Case, UML Class, and UML Sequence Diagrams with an SRS document identifying the functional and non-functional software requirements for a large communication system.
- Developed teamwork skills using current SW management & production tools for project documentation such as Lucidchart, Trello, and Git source control repository.

Portfolio Website **California State University, East Bay**
Course: Website Development May 2023
- HTML, CSS, Javascript
- Designed a responsive website to showcase projects and personal information to job recruiters with the purpose of landing a software engineer position.