Juan **Estrada**

SOFTWARE ENGINEER

Pasadena, Texas

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"Be the change that you want to see in the world."

Summary

Dedicated and fast-learning Computer Science senior at the University of Houston-Clear Lake, currently completing a B.S. in Computer Science. Experienced in working with a variety of programming languages through academic projects and coursework. Strong problem-solving skills and a passion for learning and adapting to new technologies. Seeking opportunities to apply academic knowledge in a professional setting and grow within the tech industry.

Skills

Languages: Java, C/C++, HTML/CSS, Swift, Kotlin
Frameworks: .NET, Jetpack Compose
Developer Tools: Git, VS Code, Visual Studio, Netbeans, Android Studio, Xcode
Libraries: Firebase

Projects

FitQuest App
June 2024 - Nov. 2024

ANDROID APPLICATION | *Java, Kotlin, Jetpack Compose, Firebase*

- Developed a fitness application using Java, Kotlin, Jetpack Compose, and Firebase, designed to motivate users through gamified features and rewards.
- Implemented workout logging functionality, allowing users to track their fitness activities and earn "flexcoins" for completing workouts.
- Designed and integrated a customization system enabling users to redeem flexcoins for profile enhancements, including profile pictures, borders, and backgrounds.
- Leveraged Firebase for real-time data synchronization, secure authentication, and scalable cloud storage for user information and stats.
- Managed version control and project collaboration using GitHub, ensuring a streamlined development workflow with clear documentation and commit history.

Lexical Analyzer and Parser

SCHOOL PROJECT | *Java*

- Implemented a Scanner in Java to tokenize input strings, identifying keywords, identifiers, operators, and literals based on defined lexical rules.
- Designed and developed a recursive descent parser to validate the syntax of tokenized inputs against a predefined grammar.
- Added error detection and reporting for invalid tokens and syntax errors, providing detailed feedback for debugging and corrections.
- Demonstrated proficiency in compiler fundamentals through hands-on implementation of lexical analysis and parsing algorithms.

Education

University of Houston - Clear Lake
Houston, Texas

B.S. IN COMPUTER SCIENCE
May 2020 - Dec. 2024

- **Relevant Coursework:** Data Structures and Algorithms, Database Systems, Operating Systems, Computer Architectures, Assembly Language, Web Application Development, Mobile Application Development, Programming Language Concepts, Network Protocols, Digital Circuits

San Jacinto Community College
Pasadena, Texas

A.A. IN GENERAL STUDIES
May 2016 - May 2019

Work Experience

Amazon
Houston, Texas

FULFILLMENT CENTER ASSOCIATE
May 2022 - Oct. 2023

- Prepared customers orders in a fast paced environment, ranging small single orders to complex multiple item orders
- Worked with team members to ensure work was accomplished in a timely manner, and in accordance with posted Amazon safety and Warehouse Safety/OSHA rules and guidelines.
- Volunteered to train across multiple departments to ensure overall team success