

Juan Estrada

SOFTWARE ENGINEER

Pasadena, Texas

☎ (281) 978 1566 | ✉ juanestrada516@gmail.com | 🏠 www.juan-estrada.com | 📱 juan-estrada | 🌐 juan-estrada

Summary

Dedicated and fast-learning Computer Science graduate from the University of Houston-Clear Lake. 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 and Software: Git, VS Code, Visual Studio, Netbeans, Android Studio, Xcode, IntelliJ

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.
- 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

Whirlwind Steel Buildings

Houston, Texas

PRODUCTION CONTROL CLERK

Feb 2024 - Current

- Utilize IntelliCAD and ProNest for CAD drawing, nesting, and quality checking of work to meet shop requirements.
- Input data for generating cut lists while understanding shop methods, equipment capacities, and requirements.
- Sort Oracle lines and shop details by department to provide accurate information to each fabrication line.

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