Aaron Serpa

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A recent college graduate eager to start his professional career as a software engineer. A detail-oriented, collaborative problem-solver who is well-versed in Java. A tenacious and self-motivated developer who seeks to exceed all expectations.

- Java
- C++
- Python
- JavaScript

Education

San Jose State University   09/19 – 12/21
Bachelor of Science: Computer Science
Minor: Business
GPA: 3.5

Relevant Coursework
CS160: Conceptualized and led a student team to develop a pharmacy mobile application called Prescription Pal for consumers to track and manage their prescription medications and refills.
CS175: Designed a full-functioning mobile app using Android Studio with C++ and XML for GUI.
CS156: Learned the concepts of machine learning, logical agents, classical planning, uncertainty, and AI ethics. Wrote basic algorithms using Python.
CS157A: Learned the basics of several types of SQL, such as MySQL and Microsoft SQL Server.
CS166: Used Ubuntu to simulate different types of security attacks, such as flooding attacks, SQL injection attacks, and buffer overflow attacks. Led a group project to develop a Java program that generated unique, customized passwords and rated their strength against brute force and dictionary attacks.

Notable Projects

Sudoku: A compact Java program made with a Java Swing UI. Created using the Model, View, Controller Architecture, as compiled into a jar file.
Arcade Shooter: An open-source game made with C++ in Open Frameworks.
Website: A Portfolio piece made from HTML, CSS, and JavaScript. It features several smaller scale programs as separate links, such as a tip calculator.

Work Experience

Sales Engineer, Digital Green Global   06/20 – Present
- Responsible for the detailed research and technically accurate listing of various computer technologies.
- Manages hardware inventory to ensure items are actively listed and properly valued.
- Trusted with the organization and storage of delicate and highly valuable technological artifacts.

Office Administrator, Thrive Motors   06/17 – 12/19
- Coded customer, transaction, and accounting information in QuickBooks.
- Uploaded, sorted, and tracked important financial and legal documents using Evernote.