Aaron-Joshua Tia

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Career Profile

Passionate and detail-oriented Software Developer with a focus on delivering elegant, user-friendly solutions. Currently at a fortune 500 company with 7 years of total work experience in different industries consisting of education, food, recreation, and retail.

Education

University of California Santa Barbara, Santa Barbara, CA, 2017
Bachelor of Arts, Art
Glendale Community College, Glendale, CA, 2021
Associate of Science, Computer Science

Projects

Postfix Converter
- Program that receives a user inputted infix expression and displays an error message or prints a corresponding postfix expression.
- Employed an array-based stack to keep track of operators and operands as the expression is converted to postfix.
- Used: C++

Minus Minus
- Collaborated with a peer to create an interpreter that parses equations and executions functions for a new programming language based on C++.
- Utilized multiple stacks to determine operator precedence, line management, and function calls.
- Used: C++

Maze Game
- GUI game consisting of three different levels and a boss floor.
- Incorporated background audio, sprite animations, and collision detection to player and enemy sprites.
- Used: Java, JavaFx

Flight Path Finder
- Program that takes a flight request and determines the existence of a flight path.
- Utilized an array-based stack and recursion to check if a city has been visited, backtrack and go to an unvisited city until destination has been reached, or ultimately conclude no path is available.
- Used: C++

Toll Booth Simulator
- Simulator that compares changes in average wait times of vehicles depending on the number of booths ranging from two to five.
- Randomly generated number of vehicles and utilized linked queues to calculate wait times per booth plus average wait time.
- Used: C++

Programming

- **Web Technologies and Frameworks:** HTML, CSS, Java, C++
- **Scripts and UI**: JavaScript
- **Versioning:** Git, Github

Professional Experience

STARBUCKS CORPORATION Glendale, CA   *September 2017 to Present*
Certified Barista Trainer

- Managed training of new hires and received two Partner of the Quarter awards for stellar customer service.
- Calculated weekly tip distributions and continuously updated inventory to accurately reflect availability for mobile orders.