Jay Patel

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EDUCATION

Georgia Institute of Technology   **Atlanta, GA**
Bachelor of Science in Computer Science   **Expected Graduation (Spring 2024)**
GPA 3.86/4.00

LANGUAGES, SYSTEMS, TECHNOLOGIES, FRAMEWORKS
- Java, MySQL, Tailwind CSS, HTML, C++ (Beginner)

RELEVANT COURSES
- Data Structures, Databases, Programming Languages, Discrete Mathematical Structures, Assembly Language, Computer Programming, DevOps

OBJECTIVE
- Secure an internship where I can use my Computer Engineering background and interpersonal skills to further company growth.

RELATED PROJECTS

Covid 19 Data Analysis   **September 2021**
- I used data structures and algorithms to optimally find states, cities, and counties in the United States with the worst and best Covid-19 cases count from an open-source Excel file. Input can be taken using Scanner class in Java to fetch the cases and deaths of individual counties.

Simulated Card Game   **October 2022**
- The program is an Ada project I did for a class that simulates a card game by making use of enumerated types. Two players are randomly given a card for 25 rounds; the player with the higher card gets 2 points and each gets one point if it is a draw. The winner is decided at the end. I learned about unbounded strings, Ada's random number generator and Ada's syntax.

Workout Generator (IOS Application)   **November 2022**
- I created an IOS application on my iPhone that generates a workout based on the push, pull, legs split. The app has three buttons that are push, pull, and legs; once pressed they generate a detailed workout for you with sets and repetition ranges. To create the app, I used XCode and the Swift programming language.

MySQL database for Local Convenient Store   **November 2022**
- Constructed a database for a local family-owned convenient store from physical customer receipts. I Started from creating functional dependencies and keys based off client's restrictions, then used normalization to reduce redundant data up to Boyce–Codd normal form. Once the database schema was finished, I used MySQL to store the customer data into a database.

WORK EXPERIENCE

Private Tutor   **August 2019 – May 2020**
Self-Employed   **Gray, GA**
- Tutored multiple middle and high school students in math and reading classes
- Used resources online such as Khan Academy to create a more interactive tutoring session
- Created a website to contact my clients and simplify the payment process

Computer Science SI leader   **January 2022- May 2022**
Georgia College and State University   **Milledgeville, GA**
- Organize and host sessions that help fellow students with their beginner Computer Science Classes
- Help computer science students on their class coding projects and review content learned in class