# 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

▪ Most proficient (Java), Have worked in (MySQL, Prolog, C++, ADA, HTML, JavaScript, CSS, Tailwind CSS)

## 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**

▪ Created 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 BCNF. Once the database schema was finished, I used MySQL to store the customer data into the 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