

# Jay Patel

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<https://jaydpat.com>

## EDUCATION

Georgia Institute of Technology  
Bachelor of Science in Computer Science  
GPA 3.86/4.00

Atlanta, GA  
Expected Graduation (Spring 2024)

## 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