Jay Patel

jaydpat0822@icloud.com | https://github.com/jayp822 | www.linkedin.com/in/jay-d-patel | https://jaydpat.com

---

Education   **Expected Graduation May 2025**

Georgia Institute of Technology (Atlanta, Georgia)
Bachelor of Science in Computer Science
GPA: 3.87/4.00

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 Software Engineering background and interpersonal skills to further company growth.

Projects

9 Puzzle Game
- Created the 9 Puzzle game where the player must order the numbers 0-8 in ascending order with the help of one empty space. There are three versions of the game where the initial sate of the numbers is random. I used a 2-dimensional 3x3 array to structure the game with loops and Taxicab geometry to move the numbers from user input.

Covid Data Analysis
- Converted an open source Covid-19 data excel spreadsheet to a text file, then used Java for data manipulation and retrieval. The data contained the cases and deaths for all counties and states in America. I created Java methods that calculate, organize, or retrieve specific data from user input. For example, organizing all the states in ascending order based on deaths.

MySQL Database for Local Convenient Store
- As a school group project for my databases class, we found and helped a local business that would benefit from having a MySQL database for transactions. For the data, we asked the owner for customer transaction receipts. From the data, we created an E-R model and normalized the functional dependencies to remove redundant data.

Experience

Private Tutor   **Aug 2019 – May 2020**
Self-Employed   **Gray, Ga**
- Tutored multiple middle and high school students in math and reading classes. Used online resources such like Khan Academy to gauges their knowledge and work with students according to their skill level. Created a business website to display professionalism and trust with parents. The website also functioned as a booking time management and messaging center for parents who needed to contact me.

Computer Science SI Leader   **Jan 2022 – May 2022**
Georgia College and State University   **Milledgeville, Ga**
- Organized and hosted tutoring sessions for undergraduate students majoring in Computer Science. In the sessions, I reviewed over material taught in the student beginner Computer Science class and helped them with their homework and projects. In summary I worked to provided supplemental help for undergraduate students in their beginner Computer Science class.