

# Jay Patel

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## EDUCATION

**University of Georgia** | *B.S. Computer Science* / **GPA** 3.84/4.00

**Athens, GA** | *Expected Graduation (Fall 2024)*

### Related Courses

- Data Structures, Databases, Discrete Math, DevOps, Software Development, Systems Programming, Statistics

### Campus Involvement

- Association for Computing Machinery, UGA Society for Cyber Security, Pickleball at UGA

## OBJECTIVE

- Cultivated invaluable software development expertise during an internship, equipping me with the essential skills demanded in today's competitive job market.

## LANGUAGES, SYSTEMS, TECHNOLOGIES, FRAMEWORKS

**Created Projects In** | Java, Python, C, CSS, HTML5, Tailwind, CSS, Ada, SwiftUI, MySQL

**Proficient In** | Java, C

## PROJECTS

**Covid-19 Data Analysis** | *Java*

**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** | *Ada*

**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)** | *SwiftUI*

**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 Convenience Store** | *MySQL*

**November 2022**

- Constructed a database for a local family-owned convenience store from physical customer receipts. I Started from creating functional dependencies and keys based on 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.

**Portfolio Website** | *HTML5, JavaScript, Tailwind CSS*

**January 2023**

- Used HTML, CSS, Tailwind CSS, and JavaScript to create a website that showcases my education, projects, and job experience. Organized sections using flexbox and grid layout and customized SVGs to provide website scaling for different sized screens.

## EXPERIENCE

**College Computer Science Tutor** | *Georgia College and State University*

**January 2022 – May 2022**

- Organize and host sessions that help fellow students with their beginner Computer Science Classes.

**IT Help Desk for UGA College of Education Department** | *University of Georgia*

**August 2023 - Current**

- Use software that keeps inventory of all equipment distributed and collected by the College of Education at UGA
- Disk wipe storage for rented laptops to create a better experience for the next user.
- Help teachers with hardware and software problems in their classroom to create a seamless learning environment for both teachers and students.