

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, Bootstrap

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.