

JAY PATEL

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Education

University of Georgia

Bachelor of Science in Computer Science (3.82 GPA)

August 2020 – December 2024

Athens, Georgia

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Cloud Computing
- Systems Programming
- Software Development
- Database Management
- Theory of Computing
- Computer Architecture

Technical Skills

Languages: Python, Java, C, HTML/CSS, Swift, JavaScript, SQL

Developer Tools: VS Code, PyCharm, Git, Xcode, Vim

Technologies/Frameworks: Linux, Flask, Tkinter, Bootstrap, Pandas, Selenium, Tailwind CSS, GitHub, JUnit

Experience

College of Education UGA

IT Help Desk Specialist

August 2023 – Current

Athens, Georgia

- Used software that keeps inventory of all equipment distributed and collected by the College of Education at UGA.
- Disk wiped hard disk storage for rented laptops to create a better experience for the next user.
- Aided educators in resolving classroom hardware and software issues, promoting a seamless learning environment for all.

Georgia College and State University

College Computer Science Tutor

January 2022 – May 2022

Milledgeville, Georgia

- Organized and hosted sessions that helped fellow students with their beginner Computer Science Classes.
- Planned sessions in which I clarified particular challenges and concepts that students found challenging in their Computer Science classes.

Projects

Rain Alert Messaging App | Python, Twilio, OpenWeatherMap API

November 2023

- Created a Python program using the OpenWeatherMap API to fetch a 12-hour forecast with user-supplied latitude and longitude. Integrated a Twilio SMS alert for rain predictions, aiding users in deciding whether to bring an umbrella. Deployed the project on Python Anywhere for a daily morning alert.

Stock Market Alert App | Python, Twilio, Finnhub API

November 2023

- Created a Python application that gives daily debrief and current news for desired stock based on its ticker symbol. To gather specific information about the desired stock, I used get requests from the Finnhub API and the Python Time module.

Password Manager App | Python, Tkinter

November 2023

- Python application for secure storage of website URLs, email addresses, and passwords, featuring a random password generator for enhanced security. Users can add and retrieve passwords, with all the information stored locally in a JSON file. This project showcases a user-friendly interface built with Tkinter, JSON file manipulation, and robust password management.

Dice Simulator | Swift, Xcode

October 2023

- Developed an iOS application that generates random rolls for a pair of dice upon each button press. Implemented a stack view structure to ensure compatibility with various screen displays and sizes. Built the project using XCode as the IDE and Swift as the programming language.

Portfolio Website | HTML5/CSS, JavaScript, Tailwind CSS

January 2023

- Used HTML, CSS, Tailwind CSS, and JavaScript to create a website that showcases my education, projects, and job experience. I organized sections using flexbox and grid layout and used customized SVGs. Incorporated a responsive layout to adapt for multiple device screens using media queries.

MySQL Database for Local Convenience Store | MySQL

November 2022

- Constructed a database for a small local convenience store by extracting and organizing data from physical customer receipts. Implemented functional dependencies, keys, and normalization techniques to eliminate redundancy and achieve Boyce-Codd normal form. Finalized the schema and stored customer data using MySQL