

Yug Patel

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Education

University of California, Riverside

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures & Algorithms, Software Construction, Discrete Structures

Riverside, CA

Sept. 2019 - June 2023

GPA: 4.0

Projects

TEXT-BASED-RPG | *C++, Continuous Integration*

- Developed a console-based game that allows three playable characters with a built-in inventory system
- Implemented GitHub's Continuous Integration which allowed for autonomous integration between group members
- Integrated Google's Unit Test which allowed testing new features for potentially game-breaking bugs
- Practiced Agile using Kanban and Scrum with two other group members

INFINITE MUSIC GENERATOR | *Python*

- Developed a music player with play and stop buttons with the ability to run forever
- Collected and parsed several MIDI files' meta-data using MIDI library and storing them into a list
- Developed a Markov Chain Generator to create a similar genre of music based on past appearance of music notes
- Designed a GUI using pygame library that plays a specific piano key based on the note being played

TWITTER BOT | *Python*

- Designed to scrape tweet data from specific twitter handles using Tweepy library
- Implemented the ability to post saved tweets to users choice of subreddit using PRAW library
- Tailored to grab sports-related news and updates, but can be used for practically anything

Experience

Staples Tech Sales Associate

Valencia, CA

Apr. 2019 - Sept. 2019

- Assisted customers in purchasing tech. products, aided customers with phone screen replacements, and removed viruses from customers' computers resulting in a 6% increase in tech. sales.
- Designed sign-up vouchers for customers post check-out to allow rewards program to be more accessible which resulted in an increase of 15% sign-ups monthly.

Citrus Hack

Riverside, CA

Apr. 2020

- Developed a tic-tac-toe game that utilizes a simple AI against the user to make the game unwinnable.
- Learned how pair-programming worked by working with another partner on the project

Technical Skills

Languages: C++, Python, HTML/CSS

Tools: Git, Scrum Agile Methodologies, Vim, Unit Testing, Continuous Integration

Softskills: Teamwork, Communication, Problem Solving, Critical Thinking