Sam Cook

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Pflugerville, TX 78660

EDUCATION

Texas State University   Dec 2023

Bachelor of Science in Computer Science   San Marcos, TX

Relevant Coursework: Recommender Systems, Parallel Programming, Database Systems, Machine Learning

SOFTWARE PROJECTS

SamnRoll (https://samnroll.vercel.app)

- Developed a full stack anime recommendation web app, incorporating a Flask API and a Next.js frontend.
- Backend (https://github.com/sgcook97/anime-rec-api):
    - Engineered a Flask API deployed on AWS EC2, generating personalized anime recommendations utilizing content-based and collaborative filtering models.
    - Integrated PostgreSQL database on AWS RDS, ensuring secure storage data.
    - Established connectivity to the MyAnimeList API to retrieve additional anime details.
- Frontend(https://github.com/sgcook97/anime-rec-client):
    - Constructed a Next.js application utilizing TypeScript.
    - Enabled users to search for and rate titles for improved recommendation accuracy.
    - Integrated the backend using responses received from the Flask API to display titles and recommendations.

Blackjack (https://github.com/sgcook97/blackjack-web-app)

Web Application

- Led a team that developed an engaging web application to play blackjack using a deck of cards API.
- Implemented game logic using Python/Flask, managing card dealing, player decisions, and dealer actions.
- Designed a user-friendly interface using HTML and CSS, ensuring responsiveness on various devices.
- Integrated a PostgreSQL database to store game data, player wins, and user login info, enabling persistent tracking of user activities.
- Deployed the app on Fly.io to utilize its computing capabilities to ensure availability and performance

EMPLOYMENT EXPERIENCE

H-E-B   May 2023 – Present

Curbside Partner   Hutto, TX

- Ensured curbside orders placed by the customer are properly retrieved and taken to them upon arrival.
- Maintained a professional work environment by following all procedures and policies.
- Cooperated with coworkers to ensure tasks were completed efficiently and without complication.

Under Armour   Oct 2020 – Sep 2021

Sales Associate   Round Rock, TX

- Maintained customer satisfaction with quick and professional handling of product transactions.
- Solved customer challenges by offering relevant products and services.
- Engaged with customers to promote specific merchandise.

TECHNICAL SKILLS

Languages: Experienced in Python, C++, Java, HTML/CSS, JavaScript, TypeScript.

Other Frameworks & Technologies: React, AWS(EC2 & RDS), Flask, Django, Git/GitHub, SQL, PostgreSQL, MySQL, RESTful APIs.

EXTRACURRICULARS

Texas State Men's Volleyball Club   Fall '22 – Fall '23

Team Member   San Marcos, TX

- Competed at a high level regularly with other club volleyball teams.
- Ranked in the top 5 among club teams in our conference