

Karan Singh

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EDUCATION

University of Missouri - Kansas City

Bachelor of Science in Computer Science (GPA: 3.6 / 4.0)

Kansas City, MO

Graduation: Dec 2022

SKILLS

Development tools: Java, C, C++, Python, HTML5, CSS3, Sass, JavaScript, SQL, MySQL

Relevant courses: Foundations of Software Engineering (Scrum & Agile Software Development), Algorithms and Complexity, Programming Design & Implementation, Data Structures, Database Management System, Artificial Intelligence, Cybersecurity, Human Computer Interface, Discrete Mathematics

PROJECTS

SOS Game

- Developed a game app similar to tic-tac-toe that enables a user to play with another human or an AI computer.
- Utilized Java and Swing to develop the frontend user interface and the AI computer.
- Created a feature that allows user to record the game into a text file for post-game analysis.
- Utilized the agile development process to quickly iterate and implement new product requirements.

University Bookstore App

- Built an application for students to search for books using their name, id, ISBN, or any relevant keywords.
- Utilized Java and Swing to develop the backend and the frontend user interface.
- Established the database using MySQL to store and retrieve book records.

To-do App

- Developed a task organizing web app that enables a user to add, edit and filter the tasks.
- Utilized HTML5, CSS3 and JavaScript to develop the frontend user interface and backend.
- Created a function that allows user to load and delete the tasks into local storage for later retrieval.

Diet Plan App

- Developed a web app that assists users to add the recipes that they use regularly.
- Utilized HTML5, CSS3 and JavaScript to develop the frontend user interface and backend.
- Established the database using MySQL to load the recipes from different databases.
- Successfully helped 10 people maintain a consistent diet plan.

WORK EXPERIENCE

University of Missouri - Kansas City

Student Admissions Ambassador

Kansas City, MO

May 2021 – Present

- Deliver informational campus tours to 100+ prospective students and their families every month
- Guide and mentor prospective students through their application process and review admission records
- Plan large scale university events such as Convocation, Campus Resource Fair and UnionFest for 500+ attendees

Johnson County Community College

Student Life Ambassador

Overland Park, KS

May 2019 – Dec 2020

- Migrated all Student Life events and documents to an online platform in response to the COVID-19 pandemic
- Started and led the JCCC Cavalier Podcast to inform students regarding campus resource and provide advice
- Mentored 4 new hires and created a procedure for effective onboarding
- Coordinated and led suicide awareness and mental health events for three consecutive semesters

ACHIEVEMENTS & EXTRACURRICULARS

Achievements: Lambda Chi's Servant Leader Scholarship, UMKC Dean's List, Community College Leadership Award (CCLA), Cavalier Leadership Development Award

Memberships: Code for KC, UMKC Robotics, SCE Student Counsel, Association for Computing Machinery