

MARK NAGIEB

San Antonio, TX 78260 (Open to Remote) | (210) 929 0088 | marknagieb@gmail.com
[linkedin.com/in/mark-nagieb](https://www.linkedin.com/in/mark-nagieb) | github.com/marknagieb

EDUCATION

University of Texas at San Antonio - Bachelors of Science, Computer Science 2020 - 2024
Relevant Coursework - Data Structures, Analysis of Algorithms, Computer Architecture, Database Systems, Operating Systems

TECHNICAL SKILLS

Front End | React, NextJS, NodeJS, Javascript, HTML, CSS
Back End | Python, Java, C, C++, PostgreSQL, PHP, MySQL
Testing/Deployment | AWS:EC2, AWS:RDS, Kubernetes, Heroku
Developer Tools | Docker, Git, npm, PyTorch, Jira

EXPERIENCE

Software Developer Intern | Frost Bank Aug 2022 - Present
Software Development Intern for Banking Integration Java | Python | C | MySQL | Bash | Git

- Wrote reports and utilities in support of complex systems.
- Enhance monitoring of systems and review system logs.
- Produce documentation in support of complex systems, such as System Design Documents and user procedure guides.
- Used Java programming and Scripting in Python by working on a System logging project.
- Gained proficiency in SQL and relational databases through practical application.
- Handled 3 Python and or CMD/BASH scripts per week

HackTX | UT Austin Hackathon Oct 15 – 16, 2022

- Led team to develop ML-powered web app for optimal plant species selection in specific soil.
- Researched various plant APIs, selected accurate one,
- Implemented KNN algorithm for model training, exhibiting proficiency in ML and data science.
- Honorable Mention in John Deere track for an innovative and impactful project.

RowdyHacks | UTSA Hackathon Mar 25 - 26, 2023

- Utilized Bootstrap to create a responsive and user-friendly interface for the web application
- Utilized AWS for cloud-based hosting, storage, and deployment of the web application.
- Implemented PHP and JavaScript to manage password storage and security and ensuring the protection of sensitive user data.

PROJECTS

DiscordBot 2023
ChatBot for the popular application Discord Python

- Designed and developed a Discord bot using Python and the discord.py library to provide a range of features, including moderation, automated responses, and custom commands
- Implemented personalized response functionality by training a machine learning model using the OpenAI API to learn from user interactions and generate customized responses based on a user's previous messages, behavior, and preferences.
- Developed the trivia and the meme function, allowing users to generate and share random memes using the Giphy API and generates random trivia questions using the Open Trivia DB API and allows users to play a trivia game with their friends.

SpotifyRecommender 2023
Recommendation AI for the popular music site Python

- Developed an intelligent algorithm that uses machine learning to analyze user listening habits and identify patterns in their music preferences.
- Designed and implemented features that improved the system's accuracy and relevance, using the KNNBasic algorithm from the library to train and test the model.
- Developed a user interface that displays the top 10 recommended songs in a themed tkinter window with Spotify colors, including a hyperlink to the song's page on Spotify's website and the predicted rating.

EXTRACURRICULAR

UTSA Registered Organization - Orthodox Christian Campus Ministries (OCCM) 2020 - Present
Founder and President

- Led and Organized Bi-Weekly community service for 30+ individuals.
- Coordinated weekly meetings, for collaboration among members.
- Organized and facilitated weekly guest speakers