

Charlie Parker

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SKILLS

Languages: Python, JavaScript, C, C++, HTML/CSS, JSON

Frameworks and Tools: Git, Linux, UNIX, GitHub, GitLab, MSYS2, PuTTY, VS Code, OpenAI API, Google API

PROJECTS

AI Voice Assistant | *Python, OpenAI API, AI Speech Recognition, TTS/SST, JSON, Git* Aug. 2024

- Developed an interactive AI voice assistant utilizing OpenAI's GPT API to dynamically generate context-aware responses.
- Integrated Google Speech Recognition API and text-to-speech functionalities to facilitate natural language voice interactions, enhancing accessibility and user engagement.
- Implemented efficient JSON parsing techniques to handle and manage conversation data, ensuring optimal response speed and accuracy.
- Designed an intuitive graphical user interface (GUI) using Tkinter, providing seamless real-time interaction and user-friendly navigation.
- Demonstrated practical understanding of API integration, NLP concepts, and software engineering best practices, significantly improving personal proficiency in AI-driven software solutions.

Personal Portfolio | *HTML, CSS, JavaScript* Nov. 2023

- Designed and developed a modern personal portfolio website using HTML, CSS, and JavaScript to showcase my projects, experience, and contact information.
- Emphasized responsive design and clean UI to ensure usability across devices, while integrating smooth page transitions and hover interactions.
- Implemented modular, reusable components and hosted the site on GitHub Pages for accessibility and maintainability.

Elden Ring Terminal Game Recreation | *Python, Object-Oriented Programming, Data Structures* Nov. 2023

- Created a Python-based terminal game inspired by Elden Ring, incorporating deep lore, character stats, enemy classes, and combat mechanics.
- Employed Object-Oriented Programming (OOP) principles to structure the game logic into classes such as Player, Enemy, Weapon, and Boss.
- Leveraged data structures like lists, dictionaries, and queues to manage inventory, game state, and turn-based actions.
- Focused on writing modular, testable code by using version-control systems and good programming practices.

EXPERIENCE

Line Cook Apr. 2022 - Jul. 2024

Lulu Bar Calgary, AB

- Worked closely with kitchen staff to foster a team environment that played a key role in the restaurant being ranked 75th in Canada's Top 100 Restaurants.
- Implemented efficient prep workflows that reduced food preparation time, contributing to faster service during peak hours and enhancing customer satisfaction.
- Thrived in a fast-paced environment, effectively managing multiple tasks and priorities simultaneously.
- Maintained exemplary standards of quality and consistency, which directly impacted the restaurant's reputation and success.

EDUCATION

University of Waterloo

Bachelor of Software Engineering, Specialization in Artificial Intelligence

Waterloo, ON

Sept. 2024 - May 2029