Jared Tucker

Jntucker02@gmail.com | LinkedIn | GitHub: Dawaad | Personal Site
Software Engineer

Education

Monash University   February 2021 - Current

Bachelor of Computer Science   Melbourne, VIC

Technical Skills

Languages: TypeScript, JavaScript, Python, Java, Swift, C++,

Frontend Frameworks: ReactJS, Next.js

Backend: NodeJS, Express, FastAPI, MongoDB

Experience

Retail Associate   November 2021 – Current

Laurent

- Consistently met or exceeded daily sales goals, resulting in increased revenue for the business.
- Successfully managed multiple tasks and responsibilities including processing transactions and preparing orders, while consistently meeting or exceeding performance goals.
- Successfully resolved customer complaints and enquiries in a timely and effective manner, resulting in increased customer satisfaction and retention.

Crew Coach   March 2020 – November 2021

McDonald's

- Trained and developed 7 new team members, with all new employees passing their training assessments.
- Demonstrated strong leadership skills by successfully leading teams from 3-7 employees to maintain and hit set KPI's.
- Demonstrated strong collaboration and delegation skills by working effectively with team members to achieve daily operational goals and meet customer needs by ensuring all important tasks were always covered.

Crew Member   January 2018 – February 2020

McDonald's

- Consistently met production goals, including the completion of 70+ orders per hour during peak periods.
- Ensured compliance with food safety standards through the completion of all daily quality control checks and maintaining a clean and organised work environment.
- Successfully adapted to new roles and responsibilities, including learning new menu items, job roles, and handling unexpected situations, resulting in improved operational efficiency and customer satisfaction.

Community Events

UNIHACK 2023   March 2023

- Participated in UNIHACK 2023 hosted by UNIHACK inc, collaborating with a team of 6 to develop a project within 48 hours using OpenAI's natural language processing to simplify project management by breaking down main projects into subtasks for better productivity, Utilising ReactJS, FastAPI, OpenAI API and MongoDB.

Projects

Flex Task | ReactJS, JavaScript, FastAPI, OpenAI API, TailwindCSS, MongoDB   GitHub – Devpost

- Utilized OpenAI's natural language processing capabilities to analyse and understand the input description of project
- Leveraged Machine learning algorithms to generate relevant subtasks based on the input description to help increase user productivity and workload management capabilities.
- Utilized FastAPI for the backend and ReactJS for the frontend, along with MongoDB to store user data.

Data Structure Visualisation | ReactJS, TypeScript, TailwindCSS   GitHub

- Developed a data structure visualisation tool for graphs to run well known graph algorithms in real time.
- Incorporated popular and well-known algorithms including Dijkstras, BFS and others to be run on the graph, requiring efficient and effective algorithm design
- Utilised a deep understand of graph theory concepts to build a manipulate the graph.
- Developed all data structures, algorithms and traversal stylings without the use of external libraries.

Spotify Redesign | Next.js, TypeScript, NextAuth, Spotify API, TailwindCSS   GitHub

- Developed a redesign of the Spotify platform using Next.js and the full functionality of the Spotify API
- Created a user friendly and fully responsive interface to allow users to play music from the app directly to official Spotify applications and to view their playlists.
- Leveraged Next.js for server-side rendering and improved performance, ensuring a seamless user experience.