

# Jared Tucker

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Software Engineer

## Education

### Monash University

Bachelor of Computer Science

February 2021 - Current

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

McDonalds

- 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 maintain were always covered.

### Crew Member

January 2018 – February 2020

McDonalds

- 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.