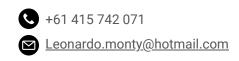# Leonardo Manteit

Software Engineer

📞 +61 415 742 071

✉️ Leonardo.monty@hotmail.com

Professional Summary

I'm a recent graduate with a degree in Physics from RMIT and a Software Engineering certificate from General Assembly. I'm passionate about full-stack development and have hands-on experience with JavaScript, React, Node.js, and PostgreSQL. I'm eager to bring my skills and enthusiasm to my first full-time role and grow my career.

Socials

🌐 My Portfolio Website   in LinkedIn Profile   GitHub Profile

Skills

Problem-Solving:
Expertise in tackling complex challenges in tutoring, engineering, and sports training.

Communication:
Proven ability to explain complex concepts in teaching, teamwork, and coaching contexts.

Time Management:
Strong organizational skills demonstrated by balancing tutoring, web development, and cricket.

Mathematical Proficiency:
Deep understanding of mathematical concepts applicable in tutoring and problem-solving.

Understanding of software development technologies:
Proficient in full-stack development gained through immersive training.

Operating systems & Development Tools:
Windows OS | Linux OS | GitHub | Postman

Programming Languages & Frameworks:
Node.js | React (JavaScript, CSS, TypeScript) | Express.js | PostgreSQL | PDF-Lib

Collaboration & Productivity Tools:
Microsoft Teams | Trello | Miro | Slack | Zoom

Education

Software Engineering Bootcamp
General Assembly, Sydney, Australia
Certificate obtained in July 2024

Bachelor of Applied Science (Physics and Mathematics)
RMIT University, Melbourne, Australia
Graduated in 2022
Focus: Quantum Harmonic Oscillator Problems

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Personal Projects

Prepare for Battle

A single-page web application designed for Warhammer 40K enthusiasts to manage and prepare for games, leveraging modern web development practices to enhance the gaming experience and engage with the community.

Technologies Used

- HTML/CSS: For structuring and styling the application.
- JavaScript: Used for functionality and connecting routes.
- React: Structuring components, allowing for reusability.
- Node.js: Used for the backend, providing a runtime environment for server-side logic.
- PDF-Lib: Used to create pdfs of the users creations.

Data Management

- API: I created my own API to handle data interactions, which allows my frontend to communicate with the backend effectively.
- PostgreSQL (PSQL): Used to store information for users and allows for easy access to the API.
- Data from Wahapedia: I utilized data from CSV files sourced from Wahapedia, which includes rules, unit stats, and other game-related information.

Features and Functionality

- User Interface: Likely includes features for viewing armies, unit stats, rules, and possibly even battle simulations or army builders.
- PDF creation: Utilized PDF-Lib to structure a personalized PDF from scratch based on user creations.

Petrol Station SPA

A web application that combines location-based services with user-friendly features, making it easier to find petrol stations across Australia.

Google Maps API Integration:

- I utilized the Google Maps API to visually display petrol stations, which enhances user experience by providing a map-based interface.

Search Functionality:

- Users can search for petrol stations based on their current location or by entering a specific location. This feature increases accessibility and convenience for users on the go.

Planning Tools:

- Using Trello and Miro for project management allowed for organized planning and collaboration. Trello helped track tasks and progress, while Miro facilitated brainstorming and visual organization.

DeepNotes

A powerful tool for managing audio content, combining advanced audio processing and user-friendly design for efficient transcription and summarization.

Overview

- The app transcribes audio input (like speech) and summarizes it for you, making it easier to digest information from meetings, lectures, or any spoken content.
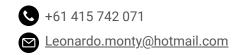
Key Features

- Transcription: Utilizes DeepGram to convert spoken audio into text.
- Summarization: Condenses text into a concise summary using OpenAI.

Technology Stack

- Electron: Allows for building cross-platform desktop applications using web technologies.
- React: Used for creating a responsive and interactive user interface.
- TypeScript: Adds type safety to JavaScript, which can help catch errors during development.
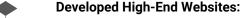
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Experience

Full Stack Engineer
Training - General Assembly
May - July 2024

Developed High-End Websites:
- Utilized many programming languages to create dynamic, responsive full-stack web applications tailored to user needs.

API Development and Data Analysis:
- Solved complex data analysis challenges by designing and implementing RESTful APIs.

Agile Team Collaboration:
- Daily stand-up meetings, collaborated with cross-functional teams to organize resources, track project milestones, and adapt to changing priorities.

User Testing and Performance Optimization:
- Conducted user testing operations in controlled environments, identifying bugs and potential UX issues & implemented performance optimization techniques.

Version Control and Documentation:
- Utilized Git for version control, ensuring collaborative code management and maintaining detailed documentation of code changes, project specifications, and deployment processes.
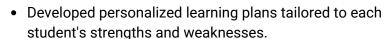
Played Cricket overseas as a professional
UK — 2023

- Recruited to play cricket professionally after strong performances in Australia's premier cricket leagues.

Math & Physics Tutor
Ezy-Math Tutoring

Melbourne — 2021 - 2022

- Developed personalized learning plans tailored to each student's strengths and weaknesses.
- Utilized a variety of tools and resources to engage students and cater to different learning styles.
- Monitored student progress through regular assessments and adjusted lesson plans accordingly to ensure continual improvement.
- Encouraged a growth mindset by fostering resilience and perseverance in challenging concepts.
- Provided extra support and resources for exam preparation, including practice tests and study guides.
- Created a positive and inclusive learning environment where all students felt valued and supported.

References available upon request.