

Leonardo Manteit

Software Engineer



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[My Portfolio Website](#)



[LinkedIn Profile](#)



[GitHub Profile](#)

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.

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 Problem

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

Projects

Prepare for Battle - Github

A web app for Warhammer 40K enthusiasts to manage and prepare for games.

- **Data Management:** Built an API for frontend-backend communication, used PostgreSQL for user data storage, and integrated CSV data from Wahapedia for game rules and unit stats.
- **Technologies:** HTML/CSS, JavaScript, React, Node.js, PDF-Lib, PostgreSQL
- **Features:** User interface for managing armies and battle simulations, custom PDF generation using PDF-Lib, data sourced from Wahapedia.

Petrol Down-Under - Github

A web application to locate 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.
- **Technologies:** Google Maps API, Trello, Miro
- **Features:** Map-based search functionality, user location-based search, and planning tools.

DeepNotes - Github

An audio transcription and summarization tool for managing spoken content.

- **Technologies:** Electron, React, PostgreSQL, TypeScript, DeepGram, OpenAI
- **Features:** Transcribes audio input and provides concise summaries. Available as a desktop app or web application.

Cont.

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Software Engineer

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.