JOSEPH KEELAGHER

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EDUCATION

The University of Melbourne *Class of 2024*
(B.Sc.) Bachelor of Science in Computing & Software Systems
WAM/GPA : 75.3% (Second Class Honours)

Member of Computing and Information Systems Students Association (CISSA)

Parkdale Secondary College *Class of 2021*
ATAR - 94.30

PERSONAL INTERESTS/HOBBIES

Sports	12+ years of playing Soccer up to semi-professional U21 level, experience as team captain.
Gym Training	3+ years of strength and endurance training at OSLO H&F Gym.
Other	Intermediate French speaker learned over 9 years of secondary & tertiary education, performed as a guitarist in my secondary school band,

WORK EXPERIENCE

Mordialloc Sporting Club February 2022 - Present
Gaming Attendant Mordialloc, VIC

· Operated gaming machines, handled cash transactions, and ensured regulatory compliance while delivering excellent customer service in a fast-paced environment.

Grasshopper Soccer January 2019 - January 2024
Coach Cheltenham, VIC

· Planned and led training sessions, managed team strategies during games, and mentored youths to develop skills, discipline, and teamwork.

TECHNICAL STRENGTHS

Programming Languages	C, Java, Python, HTML, CSS, JavaScript, Haskell, Prolog
Software Design	Algorithms & Data Structures, Software Design Patterns
Databases	MySQL, PostgreSQL

PROJECT WORK

Personal Website Website
HTML, CSS, JavaScript ⌂ GitHub

· Implemented responsive design principles in CSS to ensure compatibility across various devices and screen sizes, providing a seamless user experience.

IMDB Movie Rating Predictor
Python (Sci-Kit Learn, Pandas, Matplotlib), Machine Learning ⌂ GitHub

· Implemented multiple machine learning models (Linear Regression, Gradient Boosting, Random Forests) to predict IMDB movie ratings, achieving 75% accuracy.

'Tetress' AI Gameplay Agent
Python, Artificial Intelligence ⌂ GitHub

· Developed and implemented a Minimax adversarial game-playing agent with alpha-beta pruning, enhancing search efficiency and decision-making speed of agent which makes perfect gameplay decisions in a Tetris variation called 'Tetress'.