

Adam McMillan

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Profile

Adam is a current Master of Information Technology student at the University of Melbourne, undertaking specialization in Artificial Intelligence. He has a keen interest in software development, machine learning, and AI, and enjoys solving real-world problems with creative, thoughtful solutions. Adam has a strong foundation in programming and algorithms and is constantly working on developing new technical skills. With a past background in psychology, he is particularly excited about applications of technology that can enhance user experiences and improve lives. His interdisciplinary background provides him with a unique perspective, allowing him to approach problems with creativity and insight. His studies so far at the University of Melbourne have demonstrated his strong work ethic and passion for learning. Outside of tech, Adam is a passionate classical pianist, performing and teaching regularly around Melbourne.

Education

Master of Information Technology (Artificial Intelligence)

University of Melbourne

2024 – present (expected completion: mid 2026)

Bachelor of Psychology (Honours)

Deakin University, Cognitive Neuroscience Unit

Class I Honours, Deakin Scholarship for Excellence

2019 – 2023

Experience

- COMP90041 Programming and Software Development: 96
- INFO90002 Database Systems and Information Modelling: 91
- COMP90038 Algorithms and Complexity: 90
- COMP90007 Internet Technologies: 87
- COMP90049 Introduction to Machine Learning: in progress
- COMP90054 AI Planning for Autonomy: in progress
- COMP90024 Cloud and Cluster Computing: in progress
- COMP90015 Declarative Programming: in progress

Technical Skills

- **Programming Languages:** Python, C++, Java, JavaScript, Prolog, Haskell
- **Machine Learning:** Supervised learning (classification, regression, linear & non-linear models) and unsupervised learning (clustering)
- **AI Planning:** Search algorithms, heuristics, classical planning, MDPs, reinforcement learning, game theory
- **Libraries/Frameworks:** Scikit-learn, Pandas, Numpy, TensorFlow, Keras, PyTorch
- **Database Management:** Experience with relational (SQL) and non-relational databases
- **Collaboration:** Jira, Git, GitHub