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Artificial Intelligence

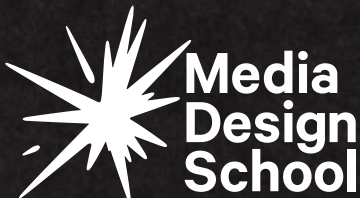
BACHELOR OF SOFTWARE ENGINEERING

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CAREER OPPORTUNITIES

- Software Engineer
- Software Developer
- Machine Learning Engineer
- AI Developer
- Business Intelligence Developer
- R&D Engineer
- Data Scientist



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ARTIFICIAL INTELLIGENCE

If you've ever wished you could talk to robots, then consider AI a dream come true. Explore different models of pattern recognition, and use them in cloud environments while mastering the fundamentals of machine learning. Become a master of algorithms and techniques used in solving problems for such things as natural language processing and computer vision.

WHY CHOOSE A DEGREE IN AI?

Industry is lacking employees with both a strong grasp on the technicalities of software engineering and the ability to think critically and creatively. We've partnered with IBM to design a course that will open the door for you to design the future, while also setting you up with the core soft skills required for a successful career in AI. Be a pioneer in one of the most innovative and cutting edge disciplines available to study.

Save the world, or at least change it, with the power of programming at your fingertips.

INDUSTRY PARTNERS:



"THE PROJECT BASED ASSESSMENTS IN NEARLY ALL CLASSES PROVIDED US THE OPPORTUNITY TO APPLY OUR THEORETICAL KNOWLEDGE INTO ACTUAL PROJECTS, AND I MUST SAY, BUILDING REAL PROJECTS TEACHES YOU A LOT MORE."

Rawinder Singh



HALO

Kade Lee

AI has the potential to do some serious good in the world.

HALO is a portable hardware connected to an AI system that can quickly and accurately predict possible heart disease candidates or investigate other possible medical issues, freeing up medical staff for other more complex tasks.

It can also give patients peace of mind, or a way to motivate them for a lifestyle change if their health is at risk, potentially saving a lot of lives and allowing patients to live their lives to the fullest without putting themselves through avoidable suffering.

While AI is still in its infancy, this project, developed by student Kade Lee, shows the incredible potential that this field holds for the future, and likely will pave the way for even more ingenious solutions and inventions.

SOME OF WHAT YOU'LL STUDY

Introduction to Software Engineering

Begin with an introduction to a programming language and the opportunity to solve AI problems using programming.

Maths 1

This component begins with basic mathematics before progressing to the core mathematical skills required for solving AI problems.

Concepts in AI

Introduction to artificial intelligence through knowledge representation, problem solving techniques and architectures used to build intelligent systems.

Work Integrated Learning

In this programme, you will also have the chance to experience Work Integrated learning, where you will be able to pursue your own independent project or intern with a company to build connection, network, and credit.

Human Centered Design

This subject discusses intellectual issues related to humans and technology, exploring ethical considerations of artificial intelligence and its design.

Deep Learning

Deep Learning focuses on how to model and train neural networks and discusses its applications to sequence modelling, computer vision, generative models and reinforcement learning.

Introduction to Data Science

Investigate concepts, techniques and tools of data science, including data collection, analysis, and predictive modelling.

Algorithms & Data Structures

Students learn the fundamental data structures and algorithms that are needed to solve common software engineering problems.

Networking & Database Systems

Learn the fundamentals of database management systems and network topology, including network architecture.

Machine Learning Principles

This subject introduces students to the applications of machine learning, such as robotics, data mining, computer vision, and bioinformatics.

Natural Language Processing & Speech Recognition

Explore concepts in natural language processing (NLP) and speech recognition such as language modelling, formal grammars, statistical parsing, machine translation, and dialogue processing.

To find out more about the Bachelor of Software Engineering, get in contact with our team at domestic@mediadesignschool.com or international@mediadesignschool.com for international students.

For up-to-date and comprehensive course information, including dates and fees, visit mediadesignschool.com.

