UCI | Division of Continuing Education

Machine and Deep Learning
Online Specialized Studies Program

33,286
JOBS (2019)

18.7%
PROJECTED GROWTH (2019-2029)

$118k-$183k
ANNUAL SALARY*
(25TH-75TH PERCENTILE)

Advances in Machine Learning and Deep Learning are helping to solve a very broad variety of problems, including logistics, business process optimization, customer service, and health care. IT departments are monitoring more and more data, driving unprecedented demand for those with the skills required to manage and leverage these very large and diverse data sets into a competitive advantage for their organizations..

LEARN HOW TO:

- Apply the art and science of machine and deep learning to deliver new insights and improve the competitiveness of your business
- Explain the differences between unsupervised, semi-supervised, supervised and reinforcement processes
- Learn methodologies and tools to apply algorithms using a range of real data types including structured and unstructured text, video, and images and evaluate their performance
- Evaluate related software toolkits and how to integrate them into existing data workflows
- Learn the tools and techniques of Natural Language Processing (NLP) and its use in the analysis of human generated content
- Recognize and address common pitfalls and challenges using neural networks and deep learning tools
- Understand what hardware or virtual machines are needed for machine and deep learning
- Explain the difference between machine and deep learning versus traditional statistical data analysis techniques

ONLINE CLASS

100% ONLINE, INSTRUCTOR LED

10 WEEKS
6-10 HRS EFFORT/WEEK

$820 EACH

CERTIFICATE PROGRAM ONLINE

5 COURSES

9-12 MONTHS

$4,510*

FOR MORE INFORMATION:

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