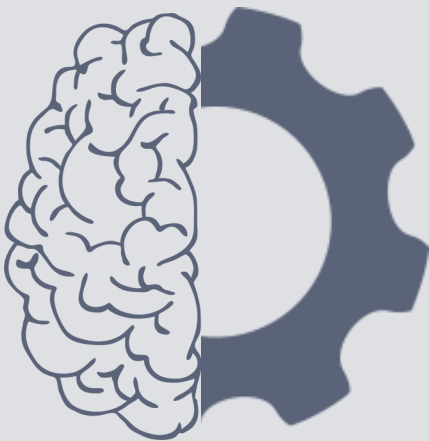


# COMPUTER SCIENCE DEPARTMENT

## MS Computer Science Machine Learning Concentration

Today's Machine Learning (ML) technologies are improving our everyday lives, growing new industries, and aiding workers. ML algorithms build mathematical models using data to perform tasks autonomously. Cross-disciplinary machine learning research and work has led to success in a broad range of applications including science, medicine, communication, manufacturing, transportation, agriculture, and security.

Our graduates find jobs as data scientists, machine learning engineers, AI engineers and computer programmers.



### PROGRAM HIGHLIGHTS

- ⇒ Acquire knowledge through project-based learning in classes
- ⇒ Train in ML with a focus on ethics, fairness, and accountability
- ⇒ Participate in competition-based Hackathons using large-scale real-world datasets
- ⇒ Gain an understanding of theory and practice
- ⇒ Take advantage of the option to do a research-intensive thesis

Graduates of the Computer Science Department have gone on to work for:



# MS Computer Science

## Machine Learning Concentration

### RESPECTED

Our department is home to world-class faculty with research strengths in almost all areas of computing and a strong commitment to teaching. This excellence is reflected in the numerous awards received for research and teaching.

### RELEVANT

Experts predict that soon more than half of all STEM jobs will be in computer science and related fields. The federal government alone needs tens of thousands of IT and cybersecurity professionals, and the private sector needs many more.

### CONVENIENT

Mason's Fairfax Campus is less than 10 miles from the Dulles Technology Corridor and Loudoun County's data centers. Our proximity to Washington, D.C., and its robust technology gives our graduates access to positions supporting the nation's IT infrastructure in government and industry.

### FLEXIBLE

Evening courses allow you to take classes to fit your schedule. We accommodate full- and part-time students who seek a graduate degree.

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