



Deep Learning

Badge earners focused on designing, training, and monitoring deep learning models in PyTorch, exploring applications. Badge earners complete activities focused on the fundamental aspects of designing, training, tuning, and monitoring deep networks, combining theoretical knowledge with hands-on... [\[more\]](#)



Verified
Last verified by Canvas Badges on Apr 30, 2025

Re-verify Badge

Awarded to Amir Exir

Issued on: Dec 16, 2024 at 12:00 AM

Achievement type: Badge

EARNING CRITERIA

Recipients must complete the earning criteria to earn this badge

The badge earner has completed the learning activities and modules through their enrollment in the UT Austin 3-credit hour course, CS/AI/DS 394D, with a level of proficiency of 80% (B) or higher

Topics Covered:

- Introduction to Deep Learning
- Designing Neural Networks
- Training and Tuning Deep Networks
- Monitoring and Debugging Models
- Computer Vision Applications
- Sequence Modeling in NLP
- Deep Reinforcement Learning
- Generative Modeling
- Adversarial Learning
- Hands-on Implementation in PyTorch
- Developing a Vision System for SuperTuxKart

DURATION

Estimated time to complete badge requirements

170 hours

SKILLS

Recipients demonstrated these job skills

- Deep learning
- Neural networks
- PyTorch
- Computer vision
- Reinforcement learning
- Adversarial Machine Learning

Offered by

[College of Natural Sciences](#)

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TAGS

- nlp
- generative modeling

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