deep learning | Josh Gordon | Google Engineer Advocate | https://www.youtube.com/watch?v=AhE8RhPGH1A

An overview of Deep Learning, including representation learning, families of neural networks and their applications, a first look inside a deep neural network, and many code examples and concepts from TensorFlow. This talk is part of a ML speaker series we recorded at home. You can find all the links from this video below. I hope this was helpful, and I'm looking forward to seeing you when we can get back to doing events in person. Thanks everyone!

- Intro to Deep Learning from MIT → http://goo.gle/3sPj8To
- MIT Deep Learning and Artificial Intelligence Lectures → https://goo.gle/3qh7H54
- Convolutional Neural Networks for Visual Recognition from Stanford → http://goo.gle/3bbC34I
    - And here are all the links to demos and code from the video, in the order they appeared:
- Face and hand tracking demos → http://goo.gle/2WTCwSc
- Teachable machine demo → https://goo.gle/3bSCzCi
- What features does a network see? → http://goo.gle/3e2zpA5
- DeepDream tutorials → http://goo.gle/3bYIBTp and http://goo.gle/384B6JC
- Hyperparameter tuning with Keras Tuner → http://goo.gle/2InBK7J
- Development and Validation of a Deep Learning Algorithm for Detection of Diabetic Retinopathy in Retinal Fundus Photographs → http://goo.gle/309pMY5
- Linear (and deep) regression tutorial → http://goo.gle/3sKxkN7
- Image classification with a CNN tutorial → http://goo.gle/3qdD2Wb
- Audio recognition tutorial → http://goo.gle/3kFpl1j
- Transfer learning tutorial → http://goo.gle/3bV7D60
- RNN tutorial (sentiment analysis / text classification) → http://goo.gle/3bVM1X7
- RNN tutorial (text generation with Shakespeare) → http://goo.gle/3qmnrnz
- Timeseries forecasting tutorial (weather) → http://goo.gle/3ecdYg9
- Sketch RNN demo (draw together with a neural network) → http://goo.gle/3bbHTTy
- Machine translation tutorial (English to Spanish) → http://goo.gle/3e7IJme
- Image captioning tutorial → http://goo.gle/3sKFNQz
- Autoencoders and anomaly detection tutorial → http://goo.gle/30aD0UA
- GANs tutorial (Pix2Pix) → http://goo.gle/3kI1ZrB
- A Deep Learning Approach to Antibiotic Discovery → https://goo.gle/3e7ivQD
- Integrated gradients tutorial → http://goo.gle/2PxfRtq and http://goo.gle/3sE0bmq
- TensorFlow Playground demos → http://goo.gle/2Px6rhB
- Introduction to gradients and automatic differentiation → http://goo.gle/3sFVybo
- Basic image classification tutorial → http://goo.gle/3c2AF3o
- Overfitting and underfitting tutorial → http://goo.gle/3cdA9Qv
- Keras early stopping callback → http://goo.gle/308XQUj
- Interactive autoencoders demo (anomaly detection) → http://goo.gle/3kPfW7q
- Deep Learning with Python, Second Edition → http://goo.gle/3qcQ5Y5
- Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow, 2nd Edition → http://goo.gle/386DKP4
- Deep Learning book → http://goo.gle/3c2VQmd