

Hear about new Machine Learning is Fun articles before anyone else! Sign up ×
for my (100% no spam, very low volume) e-mail list!



Machine Learning is Fun!

[Home](#) [About Me](#)

Are you curious
about Machine
Learning but have
no idea where to
start?



You can totally learn cutting-edge techniques like facial recognition with Deep Learning. It's not magic!

Let's get started!

Thanks to machine learning, there's never been a more exciting time in the history of computer science. Every day, new breakthroughs are changing what's possible with computers.

You might be intimidated by machine learning or think it's something that only the top companies and research institutions can use, but that's

not true. Machine Learning is
for everyone—and it's fun!

Be the first to get new Machine Learning is Fun articles

Join 10,000 programmers who've already taken the leap
into Machine Learning and signed up for email
notifications.

I'll only email you when I have awesome stuff to share.
Very low volume, no spam!

Machine Learning Tutorials

De-mystify the latest breakthroughs in Machine
Learning with these fun tutorials.

Machine Learning is Fun!



Using Machine Learning to generate Super Mario Maker levels

Have you heard people talking about machine learning but only have a fuzzy idea of what that means? Are you tired of nodding your way through conversations with co-workers? Let's change that!

This guide is for anyone who is curious about machine learning but has no idea where to start.

Learn how about neural networks and how recurrent neural networks can be used to generate new data based on existing data.



Deep Learning and Convolutional Neural Networks

Machine Learning is Fun · Adam Geitgey

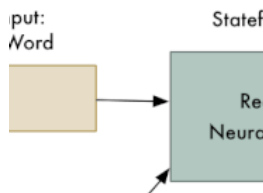
Learn how Convolutional Neural Networks work and how they are used to recognize objects in photographs.



Modern Face Recognition with Deep Learning

Machine Learning is Fun · Adam Geitgey

Let's learn how modern face recognition works! But just recognizing your friends would be too easy. We can push this tech to the limit to solve a more challenging problem — telling Will Ferrell (famous actor) apart from Chad Smith (famous rock musician)!



Language Translation with Deep Learning and the Magic of Sequences

Machine Learning is Fun · Adam Geitgey

it

Statef

Machine learning is a very powerful
tool for automating language translation.

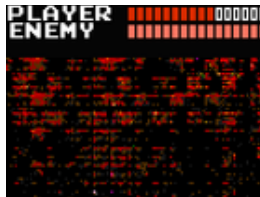
As used for translation, we'll also
use the same algorithm to describe pictures.

Recurr

How to do Speech Recognition with Deep Learning

Machine Learning is Fun · Adam Geitgey

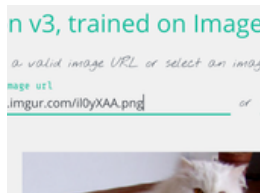
But speech recognition has been around for decades, so why is it just now hitting the mainstream? The reason is that deep learning finally made speech recognition accurate enough to be useful outside of carefully controlled environments. Let's learn how to do speech recognition with deep learning!



Abusing Generative Adversarial Networks to Make 8-bit Pixel Art

Machine Learning is Fun · Adam Geitgey

Deep Convolutional Generative Adversarial Networks (or DCGANs for short) are one of the most exciting new areas of machine learning research. DCGANs are able to hallucinate original photo-realistic pictures by using a clever combination of two deep neural networks that compete with each other. Let's use generative models to do something a bit more silly — make artwork for 8-bit video games!



How to Intentionally Trick Neural Networks

Machine Learning is Fun · Adam Geitgey

Almost as long as programmers have been writing computer programs, computer hackers have been figuring out ways to exploit those programs. Malicious hackers take advantage of the tiniest bugs in programs to break into systems, steal data and generally wreak



How to break a CAPTCHA system in 15 minutes with Machine Learning

Machine Learning is Fun · Adam Geitgey

Everyone hates CAPTCHAs — those annoying images that contain text you have to type in before you can access a website. Let's hack the world's most popular Wordpress CAPTCHA Plug-in with machine learning!

Python Tips and Tricks

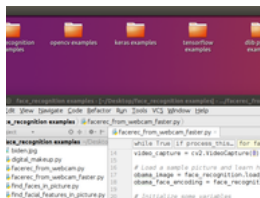
Python is one of the most popular programming language for Machine Learning. So the more you know about Python, the better!



The easiest way to grab data out of a web page in Python

Python · Adam Geitgey

Automatically scrape data out of web pages with one line of code!



Try Deep Learning in Python now with a fully pre-configured VM

How to Use Static Type Checking in Python 3.6

Checking in Python 3.6

One common complaint about the Python language is that variables are Dynamically Typed. That means you declare variables without giving them a specific data type. But with Python 3.6, you now have the choice of using Static Type Checking which can automatically catch many common errors while coding!

```
file in glob.glob("*.jail_file = make_image_t
```

N call to `executor.map()`

Speed up your Python data processing scripts with Process Pools

Python · Adam Geitgey

If you have a computer made in the last decade, there's a good chance it has 4 (or more) CPU cores. That means that 75% or more of your computer's power is sitting there nearly idle while you are waiting for your program to finish running! Let's learn how to take advantage of the full processing power of your computer by running Python functions in parallel.

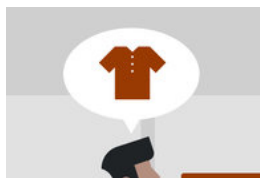
Video Courses on Lynda.com

In each of my courses, you will get your hands dirty and code a real Machine Learning project from start to finish. And best of all, you can take all these courses **for free** when you sign up using this special **free 30-day trial offer!**



Machine Learning Essential Training: Value Estimations

In this project-based course, discover how to use machine learning to build a value estimation system that can deduce the value of a home. Follow Adam Geitgey as he walks through how to use sample data to build a machine learning model, and then use that model in your own programs.



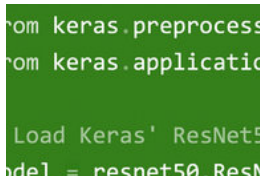
Machine Learning Fundamentals: Learning to Make Recommendations

Recommendation systems are a key part of almost every modern consumer website. The systems help drive customer interaction and sales by helping customers discover products and services they might not ever find themselves. By the end of the course, you'll be equipped to use machine learning yourself to solve recommendation problems.



Building and Deploying Applications with TensorFlow

TensorFlow is one of the most popular deep learning frameworks available. It's used for everything from cutting-edge machine learning research to building new features for start-ups in Silicon Valley. Discover how to install and use TensorFlow to create, train, and deploy machine learning models.



Building Deep Learning Applications with Keras 2.0

Keras is a popular programming framework for deep learning that simplifies the process of building deep learning applications. In this course, learn how to install and use Keras to build and deploy deep learning models.

