



Python and Deep Learning (<http://deeppython.com>)

About me

My name is Clayton Blythe.

I am a 22 year old guy working for Ford Motor Company (<https://ford.com/>) as a Machine Learning / Artificial Intelligence Scientist. I play a broad role there, which includes research, product development, engineering and deployment for a variety of data intensive projects such as cybersecurity, customer interaction, and autonomous vehicle initiatives.

You can take a look at my Github profile (<https://github.com/claytonblythe/>), reach out to me at my personal email claytondblythe@gmail.com (<mailto:claytondblythe@gmail.com>), or message me on LinkedIn. (<https://linkedin.com/in/claytonblythe>) You can also download my resume (/images/October_2017_resume.pdf) if you would like.

I mostly work in Python within OSX and Linux, but I have also occasionally dabbled in languages like R and Scala. This blog will be primarily about using Python for deep learning, but I will likely delve into a wide variety of topics. It also will serve as a place for me to gather and organize my learning process as I work in this quickly developing field. I want to do projects that are fun but challenge my skills as well.

Besides programming, I like to exercise, go to live concerts, tinker with my raspberry pi, drink craft beer, and play acoustic guitar. Fun fact, this website was generated by and is being served from my raspberry pi, all using my favorite language, Python!

My Projects

- Neural Music (<https://github.com/claytonblythe/neuralMusic>) An attempt at six-second music genre classification with Neural Networks
- Computational Nanoscience (https://github.com/claytonblythe/spectral_analysis) Analyzing circularly polarized high harmonic generation in helium

- [redditstream-cli \(https://github.com/claytonblythe/redditstream-cli\)](https://github.com/claytonblythe/redditstream-cli) A terminal client for live-streaming new reddit comments
- [Neural Selfie \(https://github.com/claytonblythe/neuralSelfie\)](https://github.com/claytonblythe/neuralSelfie) An attempt at artistic style transfer on a selfie with neural networks
- [Movie Colorify \(https://github.com/claytonblythe/movie_colorify\)](https://github.com/claytonblythe/movie_colorify) A visual color palatte representation of any movie, written in Python
- [Wifi Speed Tracking \(https://github.com/claytonblythe/wifi_speed_tracking\)](https://github.com/claytonblythe/wifi_speed_tracking) Wifi-logging with Python
- [Historical S&P 500 Performance Analysis \(https://github.com/claytonblythe/S-P500_outcomes\)](https://github.com/claytonblythe/S-P500_outcomes) An investigation into historical returns of the S&P 500
- [Reddit Image Downloader \(https://github.com/claytonblythe/subredditTopImagesDownloader\)](https://github.com/claytonblythe/subredditTopImagesDownloader) Command-line utility for downloading popular images from a subreddit
- [Craft Beer Analysis \(https://github.com/claytonblythe/beer_advocate_recommender\)](https://github.com/claytonblythe/beer_advocate_recommender) Which craft breweries have the best beer?

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