Professional Development

- CMU
  - Computer Systems
  - Parallel Computer Architecture and Programming
  - Database Systems - In Memory
  - Machine Learning
- Coursera
  - Learning how to learn
  - Neural Networks and Deep Learning
  - Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
  - Big Data Analysis with Scala and Spark
  - Structuring Machine Learning Projects
  - Statistical Inference
  - Mindshift
  - Machine Learning
  - Convolutional Neural Networks
- Udacity
  - Scalable microservices with Kubernetes
  - Intro to Machine Learning
  - Deep Learning
  - Intro to Hadoop and MapReduce
  - Front End Frameworks
  - Applied Cryptography
- Stanford
  - Compilers
- Practical Deep Learning For Coders
- DataCamp
  - Introduction to R
  - Data Analysis and Statistical Inference (R based)
  - Basic Statistics (R based)
  - Intro to Python for Data Science
  - Inferential Statistics (R based)
  - Intro to SQL for Data Science

> **generalizing specialist (n):** **a jack-of-all-trades and master of a few**

- **CMU**
  - **Computer Systems** ⛔
    - http://www.cs.cmu.edu/~213/schedule.html
  - **Parallel Computer Architecture and Programming** ⛔
    - https://scs.hosted.panopto.com/Panopto/Pages/Sessions/List.aspx#folderQuery=%22parallel%22&folderID=%22a5862643-2416-49ef-b46b-13465d1b6df0%22
  - **Database Systems - In Memory** ⛔
    - https://scs.hosted.panopto.com/Panopto/Pages/Sessions/List.aspx#folderQuery=%22database%22&folderID=%22ed2ee867-9610-4bad-94af-5d12c2ea47cd%22
  - **Machine Learning** ⛔
    - https://scs.hosted.panopto.com/Panopto/Pages/Sessions/List.aspx#folderQuery=%22machine%20learning%22&folderID=%2285e1b6bf-6ac9-4a92-a0de-aaf8c2dd2418%22
- **Coursera**
  - **Learning how to learn** ✅⭐
    - https://www.coursera.org/learn/learning-how-to-learn/home
  - **Neural Networks and Deep Learning** ✅
    - https://www.coursera.org/learn/neural-networks-deep-learning
  - **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and**

    - Optimization ✅
        - https://www.coursera.org/learn/deep-neural-network
    - Big Data Analysis with Scala and Spark ✅
        - https://www.coursera.org/learn/scala-spark-big-data
    - Structuring Machine Learning Projects ✅
        - https://www.coursera.org/learn/machine-learning-projects
    - Statistical Inference ✅
        - https://www.coursera.org/learn/statistical-inference
    - Mindshift ✅⭐
        - https://www.coursera.org/learn/mindshift
    - Machine Learning ✅⭐👍
        - https://www.coursera.org/learn/machine-learning
    - Convolutional Neural Networks ✅⭐
        - https://www.coursera.org/learn/convolutional-neural-networks
- **Udacity**
    - Scalable microservices with Kubernetes ✅
        - https://www.udacity.com/course/scalable-microservices-with-kubernetes--ud615
    - Intro to Machine Learning ✅⭐
        - https://www.udacity.com/course/intro-to-machine-learning--ud120
    - Deep Learning ✅⭐
        - https://www.udacity.com/course/deep-learning–ud730
    - Intro to Hadoop and MapReduce ✅
        - https://www.udacity.com/course/intro-to-hadoop-and-mapreduce–ud617
    - Front End Frameworks ✅
        - https://www.udacity.com/course/front-end-frameworks–ud894
    - Applied Cryptography 👎
        - https://www.udacity.com/course/applied-cryptography--cs387
- **Stanford**
    - Compilers ✅⭐
        - https://lagunita.stanford.edu/courses/Engineering/Compilers/Fall2014/about
- **Practical Deep Learning For Coders**
    - http://course.fast.ai/index.html
- **DataCamp**
    - Introduction to R ✅⭐
        - https://www.datacamp.com/courses/free-introduction-to-r
    - Data Analysis and Statistical Inference (R based) ✅⭐
        - https://www.datacamp.com/community/open-courses/statistical-inference-and-data-analysis
    - Basic Statistics (R based) ✅⭐
        - http://www.datacamp.com/community/open-courses/basic-statistics
    - Intro to Python for Data Science ✅⭐
        - https://www.datacamp.com/courses/intro-to-python-for-data-science
    - Inferential Statistics (R based) ✅⭐
        - https://www.datacamp.com/community/open-courses/inferential-statistics
    - Intro to SQL for Data Science ✅⭐
        - https://www.datacamp.com/courses/intro-to-sql-for-data-science