





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
- Udacity
 - Scalable microservices with Kubernetes
 - Intro to Machine Learning
 - Deep Learning
 - Introduction to Hadoop and MapReduce
- Stanford
 - Compilers
- Practical Deep Learning For Coders
- DataCamp, <https://www.datacamp.com/>
 - Introduction to R
 - Data Analysis and Statistical Inference (R based)
 - Basic Statistics (R based)
 - Intro to Python for Data Science
 - Inferential Statistics (R based)






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

Text

• 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>

• 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>
- **Introduction to Hadoop and MapReduce** ✓
 - <https://www.udacity.com/course/intro-to-hadoop-and-mapreduce--ud617>
- **Stanford**
 - **Compilers** ✓★
 - <https://lagunita.stanford.edu/courses/Engineering/Compilers/Fall2014/about>
- **Practical Deep Learning For Coders**
 - <http://course.fast.ai/index.html>
- **DataCamp, <https://www.datacamp.com/>**
 - **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>