



Big Data Architecture

**Spring 2019 | Instructor:
Gregory Greenstreet**

We will survey big data technology from the back of the stack (NoSQL frameworks, Hadoop, Storm, Spark, Search), analytics techniques (TensorFlow, LSA, NLP, Vector Machines, etc.), data science, web frameworks, and presentation (D3, Graphing).

Greg is a 28+ year veteran of software engineering, directing scientific and commercial applications across aerospace, telecommunications, storage, and most recently, in social media. In the last fifteen years, Greg has built and directed engineering teams in Boulder's startup community. Greg helped found and served as CTO at Collective Intellect, a social media analytics firm, which was purchased by Oracle. He then took on the role of VP of Engineering at Gnip, supplying the firehose of social media data from publishers such as Twitter, WordPress, Tumblr, Foursquare, and

Disqus to 95% of the Fortune 500. With Gnip's acquisition by Twitter, Greg directed engineering for the Cortex (Machine Learning) organization within Twitter. Currently, Greg is Sr. Director of Engineering for Splunk, a big data analytics company that recently purchased VictorOps in Boulder.

Greg holds both a B.S. and M.S. in Computer Science and teaches as an Adjunct

Professor at the University of Colorado. He also serves on the Advisory Board for the Department of Computer Science at CU. Greg is a regular mentor for both TechStars and MergeLane accelerators as well as being actively engaged with many local diversity groups such as CU Women in Computing, NCWIT and Flatirons LGBTQ.

| Course codes | Time | Day | Classroom |
|--------------|-------------|------|-----------|
| ATLS 4214 | 5:30 – 6:45 | M, W | ATLS 100 |
| ATLS 5214 | | | |