Spencer Boucher

spencer@spencerboucher.com

EDUCATION

USF
MS Analytics
July 2013 – May 2014

RICE UNIVERSITY
BA Cognitive Sciences
August 2008 – May 2011

CONTACT

650-946-7257
justmytwospence
in/spencerboucher
spencerboucher.com

COURSEWORK

Distributed Computing
Distributed Databases
Multivariate Statistics
Machine Learning
Data Visualization
Text Mining

SKILLS

*nix • JavaScript • Python
R • SQL • Scala • LaTeX

AWARDS

Eagle Scout

INTERESTS

GIS • data • design
emacs • machine learning
neuroscience • stories
visualization

SUMMARY

I am a data scientist interested in full stack machine learning. I believe that the most effective data scientiests are the ones that firmly grasp statistics and machine learning theory, but also have enough engineering know-how to actually implement solutions. I aspire to mastery over both these domains.

EXPERIENCE

UBER MACHINE LEARNING PLATFORM
2015 – PRESENT

- Bootstrapped Uber's machine learning platform.
- Built machine learning platform architecture using Spark.

UBER GROWTH DATA SCIENCE
2014 – 2015

- Built statistical models on large amounts of data to infer the conditions of the ridesharing markets around the world.

AUTOGRID INTERN
FALL 2013

- Used Pandas and R to munge large volumes of smart meter data.
- Built time series and cross-sectional models to identify outliers and make forecasts.
- Produced interactive tools and maps for exploring complex data.

EXAMKRACKERS COURSE INSTRUCTOR
SPRING 2013

- Taught MCAT level physics, chemistry, biology, organic chemistry, and verbal reasoning to a class of ~12 students.

STANFORD CIBSR RESEARCH ASSISTANT
2011 – 2013

- Conducted MRI studies to investigate biomarkers of pediatric bipoloar disorder in at-risk adolescents.
- Operated MRI scanners and analyzed structural and functional neuroimaging data using R and Matlab.
- Perforemd exploratory and hypothesis-driven analysis of large multi-modal data.
- Presented findings at the 2012 American Academy of Adolescent and Child Psychiatry Conferece.

BAYLOR CPU INTERN
2009 – 2011

- Conducted fMRI studies with patient populations suffering from PTSD or drug dependency.
- Analyzed functional neuroimaging data using Matlab.
- Investigated the relationship between affective resilience and neural response to emotional stimuli.
- Presented findings at the 2010 Society for Neuroscience convention.