

# Spencer Boucher

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## EDUCATION

### USF

MS Analytics  
2013 – 2014

### RICE UNIVERSITY

BA Cognitive Sciences  
2008 – 2011

## CONTACT

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## COURSEWORK

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

## SKILLS

\*nix • JavaScript • Python  
R • SQL • Scala • L<sup>A</sup>T<sub>E</sub>X

## 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 scientists 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 bipolar disorder in at-risk adolescents.
- Operated MRI scanners and analyzed structural and functional neuroimaging data using R and Matlab.
- Performed exploratory and hypothesis-driven analysis of large multi-modal data.
- Presented findings at the 2012 American Academy of Adolescent and Child Psychiatry Conference.

### 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.