Spencer Boucher

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650-946-7257

EDUCATION

MS IN ANALYTICS
University of San Francisco
June 2014 | San Francisco, CA
GPA: 3.8

BA IN COGNITIVE SCIENCES
Rice University
May 2011 | Houston, TX
Neuroscience concentration
GPA: 3.5

SOCIAL

- justmytwospence
- in/spencerboucher
- @justmytwospence

SKILLS

Python • R • SQL • SAS •
Javascript • HTML • CSS • LaTeX

COURSEWORK

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

AWARDS

2008   Eagle Scout   BSA

INTERESTS

data • design • stories •
visualization • cartography

EXPERIENCE

AUTOGRID | INTERN
2013 | Redwood City, CA

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. Pro- duced several interactive tools and maps for exploring the raw data.

STANFORD CIBSR | RESEARCH ASSISTANT
2011 – 2013 | Stanford, CA

Conducted MRI studies to investigate biomarkers of pediatric bipolar disorder in at-risk patients, ages 8–20. Operated MRI scanners and analyze structural and functional neuroimaging data using Matlab and R. Performed exploratory and hypothesis-driven analysis of large multi-modal data. Presented findings at the 2012 American Academy of Adolescent and Child Psychiatry Conference.

EXAMKRACKERS | COURSE INSTRUCTOR
Jan 2013 –- May 2013 | Palo Alto, CA

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

BAYLOR CPU | PROJECT INTERN
2009 – 2011 | Houston, TX

Conducted fMRI studies with patient populations suffering from PTSD or drug dependency. Analyzed functional neuroimaging data using MATLAB. Investi- gated the relationship between affective phenotypes, including resilience, and neural response to emotional stimuli, and presented research findings at the 2010 Society for Neuroscience convention.

RICE EMS | EMERGENCY MEDICAL TECHNICIAN
2010 – 2011 | Houston, TX

Responded to traumatic and medical emergencies on the Rice University cam- pus with appropriate patient care / transport. Served weekly 12 hour shifts and completed a minimum of 24 hours per semester volunteering for outside EMS services in the greater Houston area