



Integra Financial Consulting

Spring 2016

Please give a brief description of your duties.	What value do you feel you added to the organization during your internship?	Did this internship meet your expectations? Why or why not?
<p>Main duties:</p> <ul style="list-style-type: none"> - Query data with SQL (postgreSQL) - Analyze California Medicare data with statistical models and machine learning techniques for fraud detection in R and Python - Report the results to company senior management and the CEO 	<p>First, I have found several suspicious hospitals by analyzing the data. Second, I use different statistical models such as NPMI, logistic regression and random forests with cross validation to enrich their knowledge about California Medicare. Third, I provide different but valuable opinions on fraud types and sources.</p>	<p>If I rank it from 1 to 5, 5 as the highest score, I'll give this internship score 3, which just break even to my expectation but I'm not super satisfied. I really liked to try implementing different models on complex datasets to solve real-world problems. This company provided me with great opportunity to do so, and I have great freedom to try what I want! From this perspective, the company indeed meets my expectation. However, I don't like their leadership and attitude towards results derived from data analysis, which cannot improve my impression on them.</p>



The University of Texas at Austin

Career Services

College of Natural Sciences

Career Services – College of Natural Sciences

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Monday – Friday 8am-5pm | 512-471-6700

<http://cns.utexas.edu/career-services>

Would you recommend this internship to another student? Why or why not?	If you could change one thing about your internship experience, what would it be and why?	Please provide any additional information regarding your internship that you feel students should know.
<p>No. First, the company is used to hiring large number of interns to do data analysis, but no one in the company is data scientist or some sort of expert, which means no one can guide you in data analysis, no matter what model you use. Second, they lack of leadership. The requirement for the results is quite blurry. You have to ask them to know what they want exactly. Sometimes they even cannot express their goals clearly, so you may end up with wasting time. Third, they try to push you really hard so you may feel great pressure if you build new models.</p>	<p>Ask the supervisor more often. Like I said, they often don't have clear goals. Since they lack of experience in data analysis, they don't know what the results would look like. So if I could do it again, I would ask them more often to learn about their expectations, clients and express my opinions before I do any models.</p>	<p>The company doesn't have a joyful working atmosphere. Some of them often work for long hours and it's always very quiet and a little depressed. If you like coding all day, maybe you can consider it, but otherwise, you could definitely find somewhere else to work happily and efficiently.</p>