John H. Vance

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Career Objectives

To be a contributing member of a team, to learn skills necessary to analyze large datasets, and to build new technology

Education

North Carolina State University   Raleigh, North Carolina
Master of Science in Financial Mathematics   May 2015

Appalachian State University   Boone, North Carolina
Bachelor of Science in Actuarial Science   December 2011
Graduated Cum Laude

Financial Mathematics Actuarial Exam Passed on February 12, 2011

Professional Experience

MaxPoint Interactive Raleigh, NC   *Fall 2014 – Present*
Data Scientist, Product/R&D
- Developed new products that improved company wide efficiency and campaign performance.
- Constructed prediction models that could actively predict third party performance.
- Worked with datasets containing several trillion rows of raw data.
- Supported many different teams across the company that needed analytical expertise about the industry and about the data that was available.

MaxPoint Interactive Raleigh, NC   *Spring 2013 – Fall 2014*
Senior Analyst, Business Analytics
- Optimized campaign performance to meet client demands by adjusting algorithms that controlled when, where, and to whom digital impressions were served.
- Lead a team of analysts focused on developing a new area for the business. This team focused on campaigns that drove users to take complex actions online, such as purchasing a computer.
- Trained new analysts in the skills needed to be effective at making optimization decisions, this included SQL and data analysis.

Stanley Benefits Services Greensboro, NC
Actuarial Intern   *Summer 2011*
- Assisted in the calculation of the actuarial present value of future liabilities for the pension funds. This allowed the actuaries to let the clients know the amount of funding required for the fiscal year.
- Under the direct supervision of a Fellow of the Society of Actuaries and Enrolled Actuaries, I prepared large quantities of data to be used by the actuarial department.
- Completed Retirement Benefit Calculations requested by the clients. These involved using the prepared data and information in the plan document to calculate variables that could be inserted into complex formulas.

Sears Holdings High Point, NC
Appliance Sales Associate   *June 2007-August 2011*
- Maintained a customer database, in order to help Sears provide quality lifelong customer service.
- Awarded top sales person for the entire store from October 2008 to December 2008; achieved this recognition as a part time associate working less than 60 percent of the time that full time employees worked.

Proficiencies and Skills

- Strong interpersonal skills, gained from years of sales experience.
- Ability to adapt quickly to any situation, and rapidly become a contributing member of a team.
- MATLAB, R, Python, and PostgreSQL
- Accessed Hadoop databases through software like Apache Hive and Cloudera Impala