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Jason Damiani

Summary

Aspiring Data Scientist with Experience in Insurance, Finance, and Biotechnology
- 3+ years experience in roles including software development, risk analytics, sales, and modeling
- Building core data science competencies with project work in Python, MongoDB, R, and D3.js

Experience

2013–2014 **Catastrophe Risk Analyst**, *Insight Catastrophe Group*, New York, NY.
Provided decision support services to property insurers
- Revitalized client reporting by implementing automated runbooks tightly integrated with third party catastrophe risk model databases and APIs using T-SQL scripts and stored procedures, CLR stored procedures, and Python
  - Reduced time to report delivery by 67%
- Re-engineered stored procedures forming the backbone of on demand client single risk analytics to achieve a 75% reduction in lines of code and run time
- Applied statistical rigor to ad-hoc analyses:
  - Analyzed logs to model server traffic as a Poisson Process in order to determine the firm's hardware requirements
  - Conducted a sensitivity analysis on the variable inputs to the AIR CLASIC/2 hurricane model

2012–2013 **CDP Technology Analyst**, *JPMorgan Chase*, Tampa, FL.
Java developer on the Electronic Financial Services core distributed platform
- Identified and corrected Section 508 disability compliance issues
- Detailed and verified remediation to application vulnerabilities assessed by ethical hackers

2012 **Sales Intern**, *AxoGen Inc.*, Alachua, FL.
Supported the national sales team of a leading regenerative medicine company
- Developed an ASP .NET website allowing sales representatives to report, view, and plan daily sales activity
- Interfaced with executives to develop daily sales activity reports and analytics to drive corporate strategy
- Engaged a national sales team by conducting training webinars and performing inventory audits

2011 **Risk IT Intern**, *Genworth Financial*, Richmond, VA.
Developed key functionality of the Toolset for Risk Analytics and Quantification
- Mathematically modeled the problem of fitting insurance portfolio loss distributions
- Performed numerical optimization implementing the model solution in C#, leveraging a Quasi Newton Solver in the Microsoft Solver Foundation API
- Reduced time to fit distributions from hours to seconds and improved shock value accuracy on the order of millions of dollars over the previously used manual process

Education

2015 **Data Analyst Nanodegree**, *Udacity*.
Inaugural class

2012 **B.S. Industrial and Systems Engineering**, *University of Florida*, Gainesville, FL, *3.8/4.0*.
Cum Laude

Projects

Analyzing MTA Subway Data. Answering the question "do more people ride the NYC subway when it rains?". *Python, Pandas, NumPy, ordinary least squares regression, ggplot*

Data Wrangling OpenStreetMaps Data. Auditing, cleaning, transforming, and exploring user generated mapping data. *Python, XML, JSON, MongoDB*

Skills

Languages Python, T-SQL, MongoDB, R, C#, Java, VB .NET, VBA, Objective-C
Technologies MongoDB, Hadoop, Microsoft Solver Foundation, ASP .NET