

# 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:
  - Built a series of log analyzing queries to model traffic to production servers as a Poisson Process in order to determine the firm's hardware requirements
  - Conducted a sensitivity analysis on the variable inputs of the AIR CLASIC/2 hurricane model which invalidated insurance product assumptions

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 internal ASP .NET website optimized for iPads allowing AxoGen sales representatives to report, view, and plan daily sales activity
- Interfaced directly with executive leadership to develop reporting and analytics built from daily sales activity data 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

## Skills

Languages T-SQL, Python, MongoDB, R, C#, Java, VB .NET, VBA, Objective-C

Software RStudio, GAMS, Microsoft Office, Arena Simulation, RMS RiskLink, AIR CLASIC/2

Frameworks Hadoop, Microsoft Solver Foundation, ASP .NET, Struts2