MICHAEL MOLITERNO

257 Clinton St, Apt 11J, New York, NY, 10002

(804) 937 – 5308

michael.moliterno@gmail.com

EXPERIENCE

Data Scientist | Metis | New York, NY   **Jan 2015 – Present**

- Developing a custom market/demand analysis portal for a bag designer planning to sell tote, duffel, and weekender bags on Etsy.com; acquired data via web-scraping and the Etsy API, calculated and visualized current price and supply distributions, tracked seasonal and yearly sales trends, and gleaned insights from user feedback using text analysis
- Web-scraped data on 15,000 box office movies to developed linear models to predict a movie's box office success, then identified actors, directors, and writers that significantly boost (or depress) a movie's global total gross
- Analyzed 10,000 electronic health records to develop classifiers that predicts onset of Type 2 Diabetes, then developed a tool in d3.js that allows users to visualize their Diabetes risk profile given their age, gender, and BMI

Senior Consultant | Deloitte Consulting LLP | Washington D.C.   **Jul 2010 – Sept 2014**

IRS End-to-End Monitoring (E2E)   July 2013 – Sept 2014

- Designed and deploy application, database, and network monitoring solutions that measure the performance, availability, and stability of IRS networks and IT systems
- Designed end-user views of monitoring data that are accessible, understandable, and actionable
- Analyzed monitoring data to identify patterns and anomalies to make data-driven recommendations to improve service performance and end-user experience

TSA Traveler Redress Inquiry Program (TRIP)   Oct 2011 – June 2013

- Created and deployed a custom case-management system (using MS Dynamics CRM) that allows the TSA/DHS to vet and welcome legitimate long-term residents travelers into the US
- Supported the build out of Microsoft Dynamics CRM 2011 infrastructure, acted as the CRM administrator, led the requirements gathering and end-user training efforts, and heavily contributed to design, development, and systems integration
- Developed and implemented a database synchronization process that reconciled ten million rows of data, reducing data anomalies and providing an constantly updates and accurate data-set for future analysis and reporting

TSA Rapid Application Development (RAD)   Jul 2010 – Oct 2011

- Supported development and design of four SQL/.NET applications using Agile development techniques
- Delivered a range of SDLC capabilities: business requirements, process modeling, system design, application development, functional testing, end-user training, and production deployment
- Maintained servers, applications, and databases for the team's development, test, and pre-production environments

University of Virginia Analyst Recruiting Team   Aug 2010 – May 2014

- Led a team of 35 analysts and consultants to engage with professors and student groups, presented our expertise in classrooms, and recruited talent to Deloitte from UVA

EDUCATION

University of Virginia, BS Systems Engineering & BA Economics (High Distinction)   **May 2010**

- Thesis: Created a risk-based assessment tool for the FAA to select airports for runway safety inspections
- Relevant Coursework: Linear Statistical Models , Econometrics, Statistics, Probability, Discrete Math, Discrete Event Simulation, Computer Science, Finance, Game Theory and Competitive Strategy

SKILLS AND INTERESTS

- Data/Statistical Analysis: Statistical modeling, feature selection, machine learning, web scraping, text analysis (NLTK)
- Languages, Packages and Databases: Python (especially scikit learn/pandas), SQL, MongoDB
- Web Design: d3,js, HTML, CSS
- Personal interests: Sabermetrics (advanced baseball statistics), investing, cooking, and traveling