
EMPLOYMENT

Lead Senior Consultant **Olenick & Associates** **01.2013 - Present**

- Work on full data science life cycle, from data cleaning and feature selection to machine learning on projects such as credit modeling, predicting the price of the SP500, predicting the number of bike rentals.
- Built an Artificial Neural Networks (ANN) using Theano, Tensorflow, and Keras to predict which customers are leaving a client's financial institutions with 86% of accuracy.

Software Engineer - Consultant **Crowe Horwath** **08.2017 – 03.2018**

- Leveraged large sets of structured and unstructured data to develop tactical and strategic insights.
- Wrote performance test scripts and communicated analytic results to the team.

Software Engineer in Test - Consultant **Echo Global Logistics** **05.2016 – 08.2017**

- Designed automated test cases to test RESTful Web Services to assure the quality of a functional domain.
- Performed data validation after \$420 million merges of Echo Global Logistics and Command.

Software Engineer - Consultant **Chicago Mercantile Exchange** **04.2013 – 05.2016**

- Developed data analysis and visualization functions for a forecast tracking tool to manage project portfolio, project finance, and resource estimation using SQL and Oracle APEX framework.
- Architected database objects to support web interfaces.
- Built a test automation framework for testing options/futures real-time engine, and risk engines so that CME Group now flawlessly handles millions of trades moving billions of dollars every day.
- Behavior-Driven Development using Java, Cucumber, JUnit, HSQL to model and validate test scenarios.

Software Engineer - Consultant **NexLP** **01.2013 – 04.2013**

- Set up a complex Jenkins continuous integration server from scratch for Deep Learning and Machine Learning project to derive actionable insight from unstructured and structured data.
- Wrote a custom script for build targets including unit and integration tests compilation and execution.
- Leveraged distributed system to process a large amount of data.

EDUCATION

Chicago, IL **DePaul University** **2006 –2012**

- Master of Science in Computer Information Systems with Distinction—**GPA: 3.9/4.0**
- Member of of Upsilon Pi Epsilon (International Honour Society for the Computing Sciences)
- Bachelor of Science in Computer Information Systems
- Coursework: Python, Java, Databases, Algorithms, Calculus, Artificial Intelligence.

TECHNICAL EXPERIENCE

Training

- Machine Learning
- Neural Networks and Deep Learning
- Stanford University - Technology Entrepreneurship Certificate with Distinction

Languages and Technologies

Languages	Python, Java, SQL, XML, CSS.
Databases	Oracle, SQLite, PostgreSQL, Map-Reduce, Hive, Spark.
Libraries/Tools	Pandas, NumPy, SciPy, Matplotlib, seaborn, scikit-learn, BeautifulSoup, Plot.ly.
Machine Learning	TensorFlow, linear regression, logistic regression, cross-validation, K-Fold cross validation, K-means clustering, gradient descent, neural networks, random forests.
Others	Jenkins, Bamboo, Nexus, Maven, Ant, Git, Jira, REST, Unix, Web2Py, Agile.
Testing Tools	Junit, Cucumber, Selenium, SoapUI, Fiddler, JMeter, BlazeMeter, Robot FW, HP ALM