
EMPLOYMENT

Lead Senior Consultant Olenick & Associates Jan 2013 - Present

- Work on full data science life cycle, from data cleaning and feature engineering to machine learning on projects such as credit modeling, predicting car prices, house sale prices, and a 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 Aug 2017 - Mar 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 - Consultant Echo Global Logistics May 2016 - Aug 2017

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

Software Engineer - Consultant Chicago Mercantile Exchange Apr 2013 - May 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 Jan 2013 - Apr 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 A-Z: Hands-On Python in Data Science - Udemy
- Neural Networks and Deep Learning - Coursera
- How to Win a Data Science Competition: Learn from Top Kagglers - Coursera

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