

ABBAS SHAKIBA

Machine Learning Engineer

in [linkedin.com/in/abshakiba](https://www.linkedin.com/in/abshakiba)

EXPERIENCE

Data Science Developer II

Verisk

June 2018 – Present

Chicago Area, IL

- **Text Analysis on Sales Calls**
Designed and implemented an automated NLP application to read and analyze ISO sales calls summaries and create several BI dashboards for executives and sales managers. this application provides insights to the executives and can bring millions of dollars revenue stream in several lines of businesses. Python, AWS Services(EC2, S3, Redshift, Lambda), and Tableau are used.
- **COVID-19 Impact on Traffic Patterns**
Involved in a multi-teams project to assess the impact of COVID-19 on traffic patterns (Accidents, Violations, etc.) and consequently on the P&C industry. I implemented an end-to-end data engineering pipeline to prepare data for the product team. Python and AWS services (EC2, S3, Lambda) are used.
- **iapack.py**
Led an initiative to implement an internal python package for the Insurance Analytics teams at Verisk. The package optimizes the use of big data platforms like H2O and pySpark.
- **Rate Making**
Involved in risk analyzer and rate making projects in Personal Lines, Auto and Homeowners, using several analytics platforms(E Guide, Tableau, Python, AWS) and machine learning algorithms (DT, RF, GLM).

Sr. Application Developer

Nationwide

May 2016 – May 2018

Columbus, OH

- **Job Evaluation System**
Automated the job evaluation process and created a web based recommendation system and a classifier using Node.js, Express.js, and sklearn package. Improved the process for HR consultants to evaluate new jobs and decide the salary band based on historic data. Reduced hundreds of human hours for HR compensation department in the job evaluation process.
- Internship, Summer 2016
- Columbus, OH
- Fixed software defects of different in-house financial applications (Mutual Fund Service Fee Payment, Buys, Values, etc).

PUBLICATIONS

Conference Proceedings

- Shakiba, Abbas, Robert Green, and Robert Dyer (2016). "FourD: do developers discuss design? revisited". In: *Proceedings of the 2nd International Workshop on Software Analytics*. ACM, pp. 43–46.

STRENGTHS

Python Machine Learning MLOps
AWS Restorative Team Player
Motivator & Activator

SKILLS, PACKAGES & PLATFORMS

ML Pipeline Predictive Modeling
Data Analysis Explanatory Analysis

pandas numpy sklearn matplotlib
pyspark tensorflow nltk gensim
lambda EMR apigateway
sagemaker git CI/CD Linux

EDUCATION

Graduate Studies

University of Chicago, IL

2019 – 2020

M.S. in Computer Science

Bowling Green State University, OH

2014 – 2016

B.S. in Computer Engineering

Shiraz University, Iran

2008 – 2013

EXTRACURRICULAR

Online Programs

Machine Learning Engineer
Applied Data Science with Python
Full Stack Web Developer

Cloud Studies

AWS Machine Learning
AWS Solutions Architect