Machine Learning Scientist Machine Learning Scientist Machine Learning Scientist - Data Science Lab, Applied Mathematics, UW Seattle, WA Driven data scientist with 4 years of experience, patent inventor, highly skilled University of Washington, Seattle in machine/deep learning, big data, statistics, and data-driven modeling. 425-918-2114 rouzbeh@uw.edu github/Rouzbehe Work Experience Machine Learning Scientist Data Science Lab, Applied Mathematics, UW - Seattle, WA January 2019 to Present Project 1: Novel material discovery and design using machine learning, deep learning and big data analyses Data Scientist, Co-Op Norfolk Southern - Atlanta, GA July 2018 to January 2019 Project 1: Future defect/behavior prediction in transportation network and locomotives (Big Data project) Developed a pipeline to ingest, clean, aggregate, filter, and merge the stream of data from different datasets (over 70 Million sensor/log data). Enhanced the performance of current machine learning models up to 5 % by applying various ensemble learning, feature engineering and dimensionally reduction techniques. Project 2: Categorizing/analyzing customer's feedback data and technical reports using text mining/NLP Developed, an end-to-end pipeline to clean, summarize, extract features and classify text data (over 10 million text data) using machine learning, ensemble learning, and deep learning techniques. Yielded 6% classification accuracy improvement through optimizing random forest/gradient boosting tree models. Project 3: Anomaly detection in time history data to predict future defects in daily transportation Collaborated actively with data science team to develop different machine/deep learning models to detect anomalies. Python/Data Visualization Developer, Internship Sailful Bouquet Co - Los Angeles, CA June 2015 to August 2015 Developed several programs by Python/MATLAB to post process and visualize the raw results of design software. Different codes developed to automate, improve and check the design procedure to remove manual design procedure. Education M. Sc. in Applied Mathematics in Data science University of Washington - Seattle, WA 2016 to 2018 PhD. in Engineering University of Washington - Seattle, WA 2013 to 2018 Skills AWS (Less than 1 year), C+ (Less than 1 year), Git (Less than 1 year), HIGH PERFORMANCE COMPUTING (Less than 1 year), Python (4 years), Machine Learning (3 years), Algorithm, C, Hadoop, Scala, Computer Science, Java, Matlab, SQL, Business Intelligence, Excel, access, testing Links

https://www.linkedin.com/in/rouzbeh-davoudi-phd-781b8570 Additional Information Advanced Modeling linkedin/rouzbeh-davoudi Proficiency in translating high-level ideas into well-defined mathematical models Proficiency in providing actionable insights from data to improve business processes/marketing Programming and Big Data Solid background in data structure, ELT/ETL and object-oriented programming 80% 4+ years hands-on experience in Python, R, SQL and Hive 2+ years hands-on experience in using deep learning libraries: Keras, Tensorflow, Pytorch, etc 1+ year hands-on experience in Big Data Techniques: Map-Reduce, Hadoop, HDFS, Spark, Amazon AWS Statistics/Machine Learning/Deep Learning 3+ years hands-on experience in hypothesis testing, statistical modeling and machine learning (SVM, logistic reg, etc) 80% 3+ years hands-on experience in NLP/text mining (NLTK, Spacy, etc) and computer vision/image processing (OpenCV, etc) 90% 3+ years hands-on experience in applying ensemble learning & deep learning algorithms (Random Forest, CNN, RNN, etc) Skills SQL/NoSQL (MySQL, Oracle SQL, SQLite) Python (Matplotlib, Plotly, Pandas, SciPy, Pillow, SciKit-Learn) R Tableau NLTK Spacy TensorFlow PyTorch Keras SciKit-image OpenCV OpenCL Spark HPC Cloud Computing Azure AWS C++ SAS Scala WEKA MATLAB (Image/signal Pro, ML, Optimization) Unix/Linux environment Git Emacs

Name: Brandy Larsen

Email: lawrence14@example.com

Phone: (501)408-2386x611