Machine Learning Engineer

Machine Learning Engineer - Asurion

San Francisco, CA

Authorized to work in United States for any employer

Work Experience

Machine Learning Engineer

Asurion - San Mateo, CA

January 2018 to Present

Implemented real-time microservice serverless solutions with AWS Lambda in python for mobile client application backend API's and machine learning use cases, supporting apps with >1M downloads • Developed multimillion node graph database built upon Apache Tinkerpop, AWS Neptune, and custom python modules for knowledge representation and query optimization

Machine Learning Scientist

Ford Motor Company - Dearborn, MI

January 2017 to January 2017

Lead machine learning project for credit origination on $30B portfolio, implemented REST API in Flask to productionalize a .03 AUC improvement, estimated savings at $4M over a five-year time frame • Employed machine learning techniques in python, apache spark, and deep learning for applied research in financial lending of $30,000 median loan amounts

Computational Nanoscience Research Assistant

Vanderbilt University - Nashville, TN

January 2016 to January 2016

Utilized computational approach with python, pandas, scipy, Fortran, and numpy to simulate femtosecond- scale high harmonic generation in Helium due to counter-rotating circularly polarized laser fields

National Science Foundation Fellow

University of Maryland - College Park, MD

January 2015 to January 2015

• Developed graphical interface in MATLAB, optimizing Lithium-ion microbattery thin-film deposition • Received award for "Best Oral Presentation" out of more than two dozen researchers • Research led to a formal presentation at the American Physical Society March Meeting

Data Science Intern

John Deere Financial - Johnston, IA

January 2015 to January 2015

Performed complex SQL queries to gather multi-dimensional customer and commercial data for binary classification of default for over one million collections accounts • Employed algorithms such as logistic regression, SVM, and parallelized random forest within a Hadoop ecosystem, vastly reducing time required for model redevelopment

Education

Masters in Computer Science in Computer Science

Georgia Institute of Technology

January 2020

BA in Physics & Economics

Central College

Skills

Aws (4 years), Git (7 years), Linux (6 years), Python (7 years), Scala (2 years), Sql (3 years), Machine Learning (Less than 1 year), Hadoop (Less than 1 year), Algorithm (Less than 1 year), Computer Science (Less than 1 year)

Links

http://github.com/claytonblythe

http://deepython.com