Ruosi ('Rose') Lin

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EDUCATION

Texas A&M University   College Station, TX | Aug 2017 - May 2019
M.S Major Computer Science, Curriculum GPA 4/4

University of Virginia   Charlottesville, VA | Aug 2013 - Dec 2015
B.S Major Systems Engineering, Curriculum GPA 3.76/4
Graduated with high distinction

WORK EXPERIENCE

STATE FARM | Data Scientist   Richardson, TX | Jul 2019 – Feb 2022

- Research and build machine learning models, conduct exploratory data analyses in the P&C claims space using open-sourced tools in Python.
- Specialize in conveying complex technical concepts to business partners, received 2 Good Act Awards for exceptional communication skills.
- Work in cross-functional teams with software developers/machine learning engineers to operationalize and sustain analytic solutions on-premise and AWS.
- Train and mentor interns and new employees, upskill 5+ teammates on latest technologies (e.g. Python, AWS).
- Led 2 teams in 2020 and 2021 Hack Days with AI-powered solutions and won prizes for both (2020: intelligent employee recommender - Dallas sponsored hack, 2021: no-code data preprocessing tool - Fan Favorite).

HCSS | Software Developer Intern   Sugar Land, TX | Aug 2018 - Apr 2019

- Refactored 50 methods to C# entity framework, which saved the processing time by 25%.
- Selected features implemented: sentiment analysis on observations, JHA/inspection PDF improvement, asynchronous updates with Equipment 360.

STATE FARM | Data Scientist Intern   Richardson, TX | May 2018 - Jul 2018

- Tested and evaluated multiple deep learning models (e.g. VGG16, MaskRCNN), preprocessed new data and curated documentation for Ariel Roof Inspection, a Computer Vision effort. Improved the mean accuracy of the existing model from 86% to 93.1%.

EMPYREAN BENEFIT SOLUTIONS | Business Systems Analyst   Houston, TX | May 2016 - Sep 2017

- Processed, analyzed, and maintained around 10K employee benefits data for multiple clients using SQL and Excel.
- Curated web benefit portals for two major clients, fewer than 10% of incidents were reported during the 2017 Annual Enrollment period.
- Solely responsible for 2016 ACA Reporting for three clients, ensured that around 50,000 1095 B/C forms were mailed accurately and timely.

SKILLS

Languages: Python, SQL, Bash, C#, Java
Data Science Packages: scikit-learn, pandas, numpy, scipy, Keras, matplotlib, spacy, NLTK, Huggingface Transformers, Plotly (Dash)
Data Science Concepts: Gradient Boosting Machine, Random Forest, Generalized Linear Model, eXplainable AI, NLP, Causal Inference
Technology: Git, LaTeX, AWS SageMaker, Spark, Docker