Evan Shrestha

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Experience

Travelers, Claim Business Intelligence & Analytics   Hartford, CT
Data Scientist   June 2019 – Present
- Built gradient-boosted models to predict potentially severe workers' compensation claims
- Developed a computer vision model based on satellite imagery to assess hurricane damage
- Developed the MVP to rate and cluster medical providers by expected outcomes
- Created an ablation-based tool to explain imagery model predictions and visualize attributions
- Wrote a PySpark NLP pipeline to ingest text and extract features for downstream consumption
- Built several production dashboards to monitor model performance and KPIs in QlikView
- Created an automated testing tool to validate the quality of predictive model health reporting
- Managed an intern on an Agile team and led several scrum ceremonies
- Led and developed the Python training for data science and business intelligence interns

Travelers, Claim Workers' Compensation Product   Hartford, CT
Actuarial and Advanced Analytics Intern   June 2018 – August 2018
- Automated data-gathering and reporting for workers' compensation models with Teradata
- Analyzed claim patterns on an ad-hoc basis and investigated the effects of new product rollouts

Education

The University of Texas at Austin   Austin, TX
M.S., Computer Science. *GPA: 4.00.*   August 2019 – Present
B.S., Mathematics. *GPA: 4.00.*   August 2017 – May 2019
Certificates: *Elements of Computing*, *Applied Statistical Modeling*

Skills

Programming
Python, Java, Git, SQL, HTML, CSS, JavaScript, QlikView, Matlab, Bash, UNIX, Docker

Libraries
PyTorch, TensorFlow, Keras, scikit-learn, pandas, transformers, NLTK, spaCy, XGBoost, LightGBM, Flask, d3.js, matplotlib, seaborn, PySpark, SHAP, Lime, scipy

Activities

Travelers Modeling Competitions   2019 – 2020
- Won 3rd place prize for developing a deep learning model to predict Auto claim severity
- Developed an anomaly detection process to monitor and track data distributions over time

Travelers InJam   2020
- Created an internal social network with a tag-based recommendation system based on Word2Vec
- Developed a RESTful API to serve model recommendations with Flask on AWS
- Built the front-end of a collaborative social network using React.js and Bootstrap

SuperTaxKart Bot   2019
- Developed a vision-based bot to play SuperTuxKart against the AI and other deep learning bots

sALS Genetic Research   2018
- Analyzed data to find gene expression patterns of sALS using scikit-learn and Seaborn
- Cleaned and processed raw genetic data with pandas and SQL for sequence alignment