Evan Shrestha

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Experience

Travelers, Claim Business Intelligence & Analytics — Hartford, CT
Consultant, Actuarial & Analytics — June 2019 – Present

- Built models to anticipate complex claims using XGBoost with PySpark NLP sub-processes
- Developed an imagery model to estimate roof damage after hurricanes and tornadoes with PyTorch
- Created a tool to visualize and explain imagery model predictions using React.js and Flask
- Built dashboards to monitor model performance and success metrics using QlikView
- Managed an intern on an Agile team and led several scrum ceremonies

Travelers, Claim Workers' Compensation Product — Hartford, CT
Actuarial and Advanced Analytics Intern — June 2018 – August 2018

- Automated data-gathering and reporting for predictive model results using Teradata
- Developed an indemnity payment calculation tool for Florida claim professionals
- Analyzed claims 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 — August 2019 – Present
Relevant courses: Natural Language Processing, Reinforcement Learning, Deep Learning
GPA: 4.00.

The University of Texas at Austin — Austin, TX
B.S., Mathematics — August 2017 – May 2019
Elements of Computing Certificate and Applied Statistical Modeling Certificate
Relevant courses: Elements of Software Design, Big Data in Biology, Probability Models
GPA: 4.00.

Skills

Programming
Python, Java, SQL, HTML, CSS, JavaScript, Git

Libraries
PyTorch, TensorFlow, scikit-learn, pandas, NumPy, transformers, NLTK, XGBoost, Flask, d3.js, React.js

Activities

Travelers Modeling Competitions — June 2019 – August 2020

- Built a deep learning model to predict Auto claim severities using TensorFlow and AWS
- Developed model to detect anomalies and monitor variables over time to support model execution

Travelers InJam — 2020

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

SuperTuxKart Bot — 2019

- Developed a vision-based deep learning bot to play SuperTuxKurt using PyTorch

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