Yuntong Qu

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EDUCATION - *The University of Texas at Austin*

Bachelor of Science in Computer Science, GPA: 3.8/4.0 Graduation date: May/2021
Certificate In Applied Statistical Modeling

Relevant Coursework:
Modern Web App Development Computer Architecture Principles of Computer System
Statistical Inference Data Structure

SKILLS

Coding: Experienced in Python, Java, C. Familiar with, C/C++, R, bash. Basic Javascript, Ruby
Technologies: Linux, Git, docker, Python Flask Framework, Java Spring Framework, google app engine

PROJECTS

- Oil Price Prediction - Python: Sep/2019
  - Processed raw oil production and consumption data with pandas
  - Implemented a time series feature selection and prediction model
  - Produced report and predict the oil price in 2020, presented to ConocoPhillips

- Austin Traffic Cameras Query - Java Sep/2019
  - Implemented a Spring backend server that handles query parameter
  - Built a query controller with JAXB that unmarshals the content

- Amadeus Travel - Python and React: July/2019
  - Developed a Travel Planning Web App with flask framework and Amadeus API
  - Leveraged React to developed front end page
  - Implemented a fuzzy string matching for flight search in search bar
  - Deployed in google app engine

- Markov Chain Based Random Writer - Python March/2019
  - Built a Markov chain based statistical model that can process input data and output similar data
  - Extended input format to process text, binary raw data and even midi music
  - Utilized tweepy api to produce similar tweets based on user's past tweets

ACTIVITIES & LEADERSHIP

Scipy 2019 Conference, Austin,TX July/2019
Volunteer at Teen Track
- Managed 50 Teen Track students and Teen Track routine
- Assisted in the teaching section of Teen Track in Python

UT Math Department, Austin, TX Sep/2018 - present
Learning assistant
- Assist in class Calculus by teaching to 100 students 3 three times a week
- Host a Calclab that answers students' after class Calculus question