

Yuntong Qu

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EDUCATION - *The University of Texas at Austin*

Bachelor of Science in Computer Science, GPA: 3.76/4.0

Graduation date: May/2021

Relevant Coursework:

Modern Web App Development
Software Engineering

Computer Architecture
Computer Vision

Principles of Computer System
Object-oriented Programming

SKILLS

Coding: Experienced in Python, Java, C/C++. Familiar with R, SQL, bash. Basic Javascript, CSS

Technologies: Linux, Git, AWS, GCP, docker

EXPERIENCES

Urban Information Lab-UT School of Architecture, Austin, TX

Sep/2019 - Jan/2020

Research Assistant

- Visualize Transit Desert based on Prof. Junfeng Jiao's research
- Implement scripts for collecting and analyzing city transit data using Python
- Develop a website that hosts interactive Transit Desert map

UT Math Department, Austin, TX

Sep/2018 - present

Learning assistant

- Assist in class Calculus by teaching to 100 students three times a week
- Host a Calclab that answers students' after class Calculus question

PROJECTS

- Oil Price Prediction - Python: Sep/2019
 - o Processed raw oil production and consumption data
 - o Implemented a time series feature selection and prediction model
 - o Produced report and predict the oil price in 2020, presented to ConocoPhillips
- Austin Traffic Cameras Query - Java Sep/2019
 - o Built a restful backend that handles query to Austin traffic cameras information
 - o Implemented a MySQL database that can update information stored
- Amadeus Travel - Python and React: July/2019
 - o Developed a Travel Planning Web App with flask framework and Amadeus API
 - o Leveraged React to developed front end page
 - o Implemented a fuzzy string matching for flight search in the search bar
 - o Deployed in google app engine
- Markov Chain Based Random Writer - Python March/2019
 - o Built a Markov chain based statistical model that can process input data and output similar data
 - o Extended input format to process text, binary raw data, and even midi music
 - o Utilized tweepy API to produce similar tweets based on user's past tweets