DAVID DU

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Education

Georgia Tech, Atlanta, GA USA   August 2021 – Present
Online Masters in Computer Science; Specialization: Machine Learning cGPA: 4.0/4.0
Simon Fraser University, Burnaby, BC   Canada   September 2019 – December 2021
Bachelor of Science; Major: Data Science cGPA: 3.77/4.33

Skills

Technical Skills:
- Understanding of statistical models such as Neural Networks and Random Forests
- Fit data to statistical models in supervised and unsupervised machine learning.

- Proficiency in Python, R, C, C++, R, SQL, and Java.
- Some experience in: CCS, JavaScript, and html.
- Some experience working with Tableau
- Basic knowledge of accounting and accounting software.

Soft Skills:
- Good verbal and written communication skills for creation of software.
- Ability to research and apply knowledge effectively for creating a formal business report.
- Ability to work multi tasks both independently and as a part of a team and be a quick learner.

Experience

- Inventory and Data Intern   OSI Maritime System Burnaby BC Canada October 2021-Current
  - Creating KPI reports from the Epicor (ERP) database using SSRS and SQL.
  - Creating Epicor Dashboard and Business Activity Queries.
  - Assisting planners to prepare production plans and job % complete assessments.
  - Assisting planners with data analysis, job scheduling and transactions tracking from MRP system.
- Parking Attendant   PNE   Vancouver BC Canada   July 2018-August 2018
  - Helped visitors find parking as well as answering any questions.
  - Directed visitors to empty parking space and solve any problems independently.

Projects

- **Sentiment Analysis and Visualization Project – Data & Visual Analytics (CSE 6242) 2021**
  - Used various tools in python to gather many tweets, analyzing them with SA engines, and aggregating the positivity scores.
  - Used d3.js and react.js to create a choropleth map that shows the positivity of trends by time range and country.
  - Website available at http://cse6242-team149.s3-website-us-east-1.amazonaws.com/
- **Emergency Department Forecasting at St. Paul's Hospital   2021**
  - Forecasted number of patients for emergency department on short-term and long-term basis, using dynamic and static models.
  - Delivered a presentation of results to representatives from Provincial Health Care.
- **Data Analysis Project - Computational Data Science (CMPT 353)   2021**
  - Completed the cycle of the data analysis process
    - Define question, collection, cleaning, analysis, visualize, and conclusion.
  - Cooperated with team members to modularize and assign analysis, as well as meeting and reporting progress daily.
  - Utilized a variety of Python libraries, such as pyspark, pandas, sklearn, folium, nltk. Code and report available on GitHub.

Leadership & Honors

Treasurer - Simon Fraser University Animation Club
Dean/ Open Scholarship