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| ***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**