Arjun Mohammed

226-978-8822

ai3moham@edu.uwaterloo.ca

EXPERIENCE

Loom Analytics — Toronto, ON
Python NLP Research Intern — *May, 2019 - Pres*

- Created python modules to convert legal cases from PDF to text, html and JSON files, and then extract key data points for further analysis
- Implemented a full stack, multi-threaded text classification solution that allows users to upload and/or annotate legal cases, split data for model creation and testing, and predict new labels for incoming files

HelloGbye — Toronto, ON
Data Analyst Intern — *Sep - Dec, 2018*

- Collected, parsed and tokenized flight requests in email thread data to facilitate greater efficiency in automatic itinerary generation
- Explored and executed the most recent spell-check algorithms to increase tokenization accuracy
- Utilized Stanford's CoreNLP library to extract specific entities (Names and Points of Interest) from emails in order to streamline accurate passenger tagging and limiting the number of expensive content calls by reducing ambiguity in location data

Interset AI and Cybersecurity — Ottawa, ON
Technical Operations Intern — *Jan - April, 2018*

- Automated the installation of the insider threat platform using Cloudera and Centrify SSO instead of Hortonworks Data Platform to meet the enhanced security needs of new clients
- Presented bugs and security faults in the installation process with solutions during biweekly sprint reviews
- Exposure to applied machine learning and an ETL pipeline using various Apache Software (Kafka, Spark)

SKILLS

- **Languages**: Python, C++, PHP, Bash, Java (basic proficiency)
- **Technologies**: Git, Linux Command Line, SQL, Flask, Mongo, AWS, Jira, LaTeX

PROJECTS

- **Data Collection, Probability and Statistics**: co-author of a free textbook and solutions manual for Caribbean A-level Probability and Statistics course, currently over 1000 downloads
- **Flight Delay**: predicting the likelihood of flights being delayed by exploring imbalanced data
- **Big Dota Analyitcs**: aggregation of player data to find meaningful statistics and also recommend actions to players in order to rank up or become better against specific heroes

EDUCATION

- **University of Waterloo**: Computer Engineering; GPA: 3.8/4.0 — *Sep, 2017 - Pres*
  Relevant Courses: Algorithms and Data Structures, Fundamentals of Programming, Digital Computers, Linear Algebra, Discrete Math, Numerical Methods, Linear Circuits
- **Presentation College (Highschool)**: recipient of distinctions in 10 Caribbean A-level courses, placing in the top 10 regionally in 6; GPA: 5.0/5.0 — *2016*
- **International Mathematics Olympiad**: representative of Trinidad and Tobago — *2015 & 2016*

HOBBIES & INTERESTS

Travel, Table Tennis, Rocket League, Football, Ukulele, Pool, Gym