Rasim Alam

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SUMMARY

Data scientist and quantitative researcher with experience in building datasets, data analysis, forecasting, and communicating actionable insights using data. Seeking data science and analytics opportunities in a mission driven organization.

Data Science Projects: Book Recommender using BERT Embeddings; (Python, Flask, SQL, Heroku)
Training GPT-2 to write the sixth Game of Thrones book; (Python, NLTK, HuggingFace)
Visualizing Boston Neighborhood Needs – 311 Services (R, ggplot2)

PROFESSIONAL EXPERIENCE

Data Science Teaching Assistant

Harvard University, John F. Kennedy School of Government, Cambridge, MA, USA   Jan 2020 – May 2021
- Taught machine learning, statistical modelling, and data analysis to bridge data science and public policy:
  - API 222: Machine Learning and Big Data Analytics (Sep 2020 - Dec 2020)
  - DPI610: Data Science for Politics (Feb 2020 - Jun 2020) and (Jan 2021 - May 2021);
  - DPI 851M: Data and Information Visualization (Jan 2021 - Mar 2021)

Contributing Author

UNCTAD: United Nations Conference on Trade and Development – Geneva, Switzerland   Sep 2020 – Dec 2020
- Wrote chapter on frontier technology and how it can impact SDGs in developing countries: Harnessing blockchain for Sustainable Development: prospects and challenges

AI Policy Researcher

The Future Society – Cambridge, MA, USA   May 2020 – Aug 2020
- Discovered, exposed, and validated new data attributes for the CAIAC project, an initiative to bring equity-based recommendations on Covid-19 mitigation to policymakers using AI.
- Designed data collection process for building large text dataset on Covid-19 misinformation

Program Coordinator and Researcher

Harvard Mittal and Family South Asia Institute – Cambridge, MA, USA   Jul 2017 – Jan 2019
- Developed data pipeline to crowdsource oral stories of refugee migration; developed statistical methods to study refugee narratives of migration and rehabilitation in South Asia.
- Managed 5 researchers in a 2-year long project to build 1500+ refugee narratives dataset.
- Publication: Crowd-Sourcing Memories: Mixed Methods Research

EDUCATION

Harvard University, John F. Kennedy School of Government– Master in Public Policy   Aug 2019 – May 2021
Honors: Mary Jo Bane Public Service Fellow
Relevant Course Work:
1. Introduction to Data Science;   2. Machine Learning and Big Data Analytics
3. Advanced Topics in Data Science;   4. Data Science for Politics

Tufts University - Bachelor of Arts Degree (*magna cum laude)*   May 2017
Major: *International Relations* and *Economics*
Honors: Sigma Iota Rho (International Relations Honors Society); Audrey L. Hale Award for Academic Excellence and Service;
Relevant Course Work:
1. Econometrics;   2. Statistics for Economists

University of Hong Kong - Study Abroad   Spring 2016

LEADERSHIP EXPERIENCE

President

Data Science Club at Harvard Kennedy School, Cambridge, MA, USA   Sep 2020 – May 2021
- Organize workshops, lectures, and student teach-ins on machine learning, to help HKS students build data-science skills

SKILLS

- Proficient with statistical data analysis, machine learning, and deep learning using R-Studio (Tidyverse, ggplot2, RMarkdown), Python (Pandas, NumPy, SciKit Learn; Tensorflow), Tableau, and SQL (Postgres).