

Asad Sheikh

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EDUCATION

Carnegie Mellon University | Bachelor of Science in Statistics and Machine Learning Expected May 2022

- Additional Major in Human-Computer Interaction
- GPA: 3.8/4.0
- Notable Classes: Interactive Data Science, Introduction to Machine Learning, Applied Machine Learning, Principles of Imperative Computation, Modern Regression, Advanced Methods for Data Analysis, Statistical Inference

EXPERIENCE

Data Science Intern May 2021 - Aug. 2021

Flatiron Health | New York City, NY

- Developed a full machine learning pipeline from feature engineering to model training to identify disease progression events for non-small cell lung cancer patients using Bidirectional LSTM, XGBoost, and SVM.
- Explored and evaluated potential applications of synthetic data generation to creating deidentified datasets.
- Assessed and presented on the value of using cancer patient billing data to enhance and validate current research datasets.

Teaching Assistant, Fundamentals of Programming and Computer Science (15-112) Aug. 2019 - Present

Carnegie Mellon University School of Computer Science | Pittsburgh, PA

- Managed student and peer tutoring efforts, student wellness efforts, and data-driven tracker to monitor struggling students for 400+ students.
- Mentored 10+ students each semester to create term projects demonstrating mastery of Python.
- Taught weekly recitations to 30+ students, graded assessments, and provided individualized feedback.

User Experience Analyst Intern May 2020 - Aug. 2020

Jack Henry & Associates | Allen, TX

- Utilized Natural Language Processing to automate data mapping process for product data.
- Implemented Google Maps API to automate geocoding and validation of 60,000 rows of address data.
- Employed Python and BeautifulSoup to capture all text and dropdown fields of internal search pages.

Management Consulting Intern May 2019 - Aug. 2019

AustinCSI | Plano, TX

- Designed customer-facing virtual assistant (chatbot) and conversational user interface capturing best aspects of customer interaction with the brand.
- Observed client work in Adobe Analytics and PowerBI.
- Researched, developed, and delivered business development case study for 3 Fortune 50 companies.

LEADERSHIP EXPERIENCE

Chair, Spring Carnival Committee May 2021 - Present

- Managed budget of over \$100k to plan Carnegie Mellon's oldest tradition and largest student-run event.
- Mentored the executive board and led monthly meetings with university stakeholders.

Volunteer Experience & Development, Camp Mosaic Aug 2021 - Present

- Created training content for over 500 local volunteers relating to positive youth development in 1st-8th grade youth.

SKILLS

Python, Jupyter, R, SQL, C, MATLAB, SPSS Statistics, HTML, CSS, JavaScript, Storyboarding, Wireframing, Interaction Design