asad sheikh

student at carnegie mellon university

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education

Carnegie Mellon University
August 2018 – May 2022
Bachelor of Science, Statistics and Machine Learning
Additional Major in Human-Computer Interaction
GPA: 3.89/4.00

coursework

statistics & data science
Introduction to Statistical Inference
Introduction to Probability Theory
Principles of Imperative Computation
Statistical Computing
Fundamentals of Programming and Computer Science

human-computer interaction
Interaction Design Studio I
Programming Usable Interfaces

skills

Python
R
MATLAB
C
HTML
CSS
JavaScript
SPSS Statistics
Storyboarding
Prototyping
Wireframing
Journey Mapping
Interface Design

honors & awards

Dean's List, High Honors
Fall 2018, Spring 2019, Fall 2020, Spring 2020
3rd Place, Adobe Creative Challenge
October 2019
Eagle Scout, BSA Troop 758
September 2016

work experience

User Experience Analyst Intern, Jack Henry & Associates
May 2020 – Present
- Utilized Natural Language Processing to automate data mapping process for product data.
- Analyzed user stories to determine service features.
- Used Python and BeautifulSoup to capture all text and dropdown fields of search pages to determine which fields to keep after technology migration.

Division Lead Teaching Assistant, Carnegie Mellon SCS
August 2019 – Present
- Managed student and peer tutoring, student wellness, and data-driven tracker to identify struggling 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.

Management Consulting Intern, AustinCSI
May 2019 – August 2019
- Created persona for virtual assistant (chatbot) capturing best aspects of customer interaction with the brand as well as digital appearance.
- Observed client work in dashboarding with PowerBI and Adobe Analytics.
- Researched, developed, and delivered business development case study for 3 Fortune 50 Companies.

Head of Marketing, Spring Carnival Committee
May 2019 – May 2020
- Managed all social media posts for Carnegie Mellon's largest student-run event.
- Used marketing analytics to increase follower count and engagement by 71%.

Research Assistant, Auditory Lab
January 2019 – May 2019
- Worked with Dr. Laurie Heller to use statistical methods to classify sound events based on semantic groupings and acoustic analysis.
- Utilized R to perform hierarchical clustering to group sounds based on similarity ratings.

projects

Camp Mosaic
February 2020 – July 2020
- Developed automated sign up tool to help register participants for an online service, reducing time needed by 90%.

Family Independence Initiative, CMU SUDS
October 2019 – May 2020
- Analyzed changes in low-income families through their participation in upliftment programs using Python and R.