

Emad Siddiq

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EDUCATION

University of California Berkeley

Berkeley, CA

Bachelor of Arts in Data Science

Spring 2021

Bachelor of Arts in Political Economy

Spring 2021

GPA: 3.26 / 4.0

PROFESSIONAL EXPERIENCE

Undergraduate Researcher | UC Berkeley School of Law

September 2019 - May

2020

- Led a team of 4 on the Trademark Rebranding Project to find out why companies rebrand
- Wrote a program to download and extract information from over 50GB of USPTO data
- Analyzed million of lines of data from 1870 to present day using Machine Learning algorithms

Officer of Technology | International House Berkeley

September 2018 - May 2019

- Elected representative of 550 PhD, Masters and Undergraduate students
- Spearheaded a technological overhaul by creating a streamlined feedback system and custom website
- Liaison between the administration and study body

PROJECTS

Digital Dictionary of the Pashto language

August 2020

My mother tongue, Pashto, lacks a proper digital presence because of the turbulent political and economic situation in the countries that it is spoken. In order to begin remedying this, I decided to build a modern digital dictionary based on data from the University of Chicago.

- Completely dynamic and asynchronous website to minimize data usage
- Emphasis on an intuitive UX and a very simple UI
- Super fast string matching algorithm implemented using TF-IDF
- Support for the Persio-Arabic script and implementation of Google Noto Fonts

Good News

April 2020

Seeing negative news dominate in the wake of the pandemic, I decided to create an application that would gather good news from reputable sources on one page.

- Implemented Sentiment Analysis using Natural Language Toolkit to rank news articles
- Implemented backend on a remote server using Flask
- Focused on a mobile first and human friendly design
- Worked with a third party API to download news information

RELEVANT COURSEWORK

- CS61A: Structure and Interpretation of Computer Programs,
- CS61B: Data Structures and Algorithms
- Data 100: Principles and Techniques of Data Science
- Stat 140: Probability for Data Science
- CS189: Machine Learning (In Progress)