Syed **AbuTalib**

Full-Stack Software Engineer · U.S. Citizen

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Experience

Liberty Mutual Insurance
Boston, MA

TECH ASSOCIATE
Jan. 2021 - Present

- Ongoing

Access My Research
Dallas, TX

SEARCH ENGINEER INTERN
Sept. 2020 - Dec. 2020

- Facilitated software delivery cycles by containerizing applications with Docker, decreasing build times from minutes to under 20 seconds
- Designed the process of simultaneously accessing 3+ research database APIs by writing Python scripts to create and run concurrent processes
- Accelerated search result response times from 2 seconds to 300 milliseconds by integrating Elasticsearch to index research papers

Liberty Mutual Insurance
Indianapolis, IN

TECHSTART INTERN
May 2020 - Aug. 2020

- Participated in the daily stand-ups of an Agile team with the product owner and Scrum Master in order to optimize form data searching
- Automated the process to convert insurance form data into Excel spreadsheets, saving 30 minutes per sheet, by using TypeScript to place the data into an .xlsx file
- Centralized Employee Resource Group information into a single dashboard for an internal hackathon using React to display data and Flask and Python to crawl internal calendar pages and clean event data

Kalkomey Enterprises, LLC
Farmers Branch, TX

APPLICATION DEVELOPER INTERN
June 2018 - Dec. 2019

- Connected shops to customers by creating a mobile application using React Native
- Met the goal of 100% WCAG compliance by utilizing axe and Lighthouse and correcting Angular applications
- Created a locator mobile application that is available on the App Store and Google Play Store by using React Native, with an API backend in Ruby on Rails

Projects

Face Filter
Lens Studio, Photoshop, Spark AR

INSTAGRAM FILTER
instagram://FaceFilter

SNAPCHAT FILTER
snapchat://FaceFilter

- Created a face filter using proprietary Facebook and Snap Inc. software
- Over 102k impressions on the Instagram platform
- Over 76k views on the Snapchat platform

FireWatch
Flask, Python, React

WEB APPLICATION
github://FireWatch

- Estimates the speed and location of the California wildfires using Twitter APIs to find tweets associated with wildfires and keeping track of their geolocation over time
- Used Google Maps APIs to display a heatmap using data created by predictive models such as random walks
- Won 3rd place at HackTX (UT Austin hackathon)

Skills

Programming	Java, Ruby, Python, JavaScript, TypeScript, Bash, C/C++, R, SQL, HTML, CSS
Frameworks	Flask, Angular, React, Ruby on Rails, Sinatra, Spring Boot
Tools	Git, Docker, Heroku, Elasticsearch, Linux

Education

The University of Texas at Dallas
Dallas, TX

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (CUM LAUDE)
Dec. 2020

- GPA: 3.7/4.0