

# Syed AbuTalib

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## 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

## Experience

Liberty Mutual Insurance

Boston, MA

Tech Associate

Jan. 2021 to Current

- Ongoing

Access My Research

Dallas, TX

Search Engineer Intern

Aug. 2020 to 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 to 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

Dallas, TX

Application Developer Intern

June 2018 to Dec. 2019

- Connected shops to customers and increasing interest by creating a mobile application using React Native
- Met the goal of 100% WCAG compliance by utilizing axe and Lighthouse and correcting Angular applications
- Handled and provided forms and licensing data to citizens by using Ruby on Rails to process and store forms as PDFs and data in an SQL database
- Created a locator mobile application on the App Store and Google Play Store by using React Native
- Simplified the process to make changes to the locator API by creating a web application using Ruby on Rails and React

## Projects

Face Filter

- 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

- Implemented using Flask, React, and Python
- 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)

## Education

The University of Texas at Dallas

Dec. 2020

Bachelor of Science in Computer Science

Cum Laude