

# 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

- Communicated 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
- Unified Employee Resource Group data into a single dashboard using React to display data and Flask and Python to crawl internal calendar pages and sanitizing event data

Kalkomey Enterprises, LLC

Dallas, TX

Application Developer Intern

June 2018 to Dec. 2019

- Introduced shops to customers and increased interest by creating a React Native mobile application
- Achieved the goal of 100% WCAG compliance by utilizing Axe and Lighthouse to correct Angular applications
- Expedited forms and licensing data to users by using Ruby on Rails to process and store input
- Assembled a React Native locator mobile application to be launched on the App Store and Google Play Store
- Improved the process to make changes to the locator API by creating an online interface in 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