Syed **AbuTalib**

NEW GRAD SOFTWARE ENGINEER · U.S. CITIZEN

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Education

The University of Texas at Dallas	*Dallas, TX*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE	*Aug. 2018 - Dec. 2020*

- GPA: 3.63/4.00

Experience

Access My Research — *Dallas, TX*
SEARCH ENGINEER INTERN — *Sept. 2020 - Dec. 2020*
- Facilitated software delivery cycles by containerizing applications with **Docker**
- Designed the process of simultaneously accessing research database APIs by writing **Python** scripts to create and run concurrent processes
- Accelerated search result response times to near real-time 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)

GitHub Stars — *Ruby, Sinatra*
WEB APPLICATION — *heroku://Github-Stars*
- Displays a GitHub user's entire stars list as cards on a single page
- Designed reusable minimalist repository cards made from the Card class of Bootstrap
- Reduces time taken by up to 80% when compared to clicking "Next" through a GitHub user's paginated stars list

Language Colors — *Ruby*
RUBY GEM — *rubygems://language_colors*
- Prefetches the color data of programming languages from GitHub and stores it in JSON
- Compiled into an open-source Ruby gem for public use
- Over 600 downloads on RubyGems

Skills

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