

Syed AbuTalib

NEW GRAD SOFTWARE ENGINEER · U.S. CITIZEN

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Education

The University of Texas at Dallas

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- GPA: 3.63/4.00

Dallas, TX

Aug. 2018 - Dec. 2020

Experience

Access My Research

SEARCH ENGINEER INTERN

- Facilitated software delivery cycles by containerizing the entire application with **Docker**
- Accelerated search result response times to near real-time by integrating **Elasticsearch** to index research papers
- Ongoing

Dallas, TX

Sept. 2020 - Current

Liberty Mutual Insurance

TECHSTART INTERN

- Participated in the daily stand-ups of an **Agile** team with the product owner and Scrum Master
- Redesigned **Angular** applications to follow company design standards by creating and implementing wireframes via **Balsamiq** after surveying internal users of the application via **Microsoft Forms**
- 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

Indianapolis, IN

May 2020 - Aug. 2020

Kalkomey Enterprises, LLC

APPLICATION DEVELOPER INTERN

- 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**

Farmers Branch, TX

June 2018 - Dec. 2019

Projects

Face Filter

INSTAGRAM FILTER

SNAPCHAT FILTER

- Identifies faces and uses augmented reality to add a face filter
- Over 96k impressions on the Instagram platform
- Over 57k views on the Snapchat platform

Lens Studio, Photoshop, Spark AR

instagram://FaceFilter

snapchat://FaceFilter

FireWatch

WEB APPLICATION

- 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 from random walks and other predictive models
- Determines if the device accessing the website may be in the path of the fire and alerts the user
- Won 3rd place overall at HackTX (UT Austin hackathon)

Jupyter Notebook, Python, React

github://FireWatch

Skills

Programming Java, Ruby, Python, C, C++, R, SQL

Frameworks Flask, Angular, React, Ruby on Rails, Sinatra, Spring Boot

Tools Git, Docker, Elasticsearch Linux