Syed **AbuTalib**

New Grad Software Engineer · U.S. Citizen

Dallas, Texas

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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 - Current*
- 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

Liberty Mutual Insurance *Indianapolis, IN*
TechStart Intern *May 2020 - Aug. 2020*
- 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
- Developed an internal Program Increment planner in **Angular** and **Spring Boot** for the purpose of efficiently and automatically planning out sprints
- 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 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 *Lens Studio, Photoshop, Spark AR*
Instagram Filter *instagram://FaceFilter*
Snapchat Filter *snapchat://FaceFilter*
- 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

FireWatch *Jupyter Notebook, 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 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)

Skills

Technical	Java, Ruby, Python, C, C++, R, SQL, TypeScript, Docker, Elasticsearch, Git, Linux
Business	Communication, Dependability, Problem Solving, Agile Methodology