SYED ABUTALIB
SOFTWARE ENGINEER INTERN

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in syed-abutalib   ⭘ SyedAbuTalib

EDUCATION

The University of Texas at Dallas   Aug. 2018 to Dec. 2020
Bachelor of Science in Computer Science
GPA: 3.606/4.000
Courses Taken: Data Structures and Algorithms, Discrete Math, Introduction to Machine Learning

EMPLOYMENT

Kalkomey   Farmers Branch, TX
Software Engineer Intern   Jan. 2019 to Dec. 2019, June 2018 to Aug. 2018
- Optimized search functions using **Angular** and **Ruby on Rails** by reducing API calls
- Created a mobile app to find local dive shops by using **React Native**
- Developed a backend API for the mobile app through **Ruby on Rails**
- Built a frontend application for admins to edit the availability of the API in **React**
- Implemented a fishing mobile app used by the Nevada Department of Wildlife written in **React Native**
- Corrected front ends for **WCAG 2.1** compliance meeting the goal of 100% compliance by using **axe** and **Lighthouse**.

PROJECTS

bruh
Small program written in **Ruby** that appends a **Bash** shell script into the .zshrc or .bashrc file. Whenever **git** claims that there is no "upstream branch", just type "bruh" into the terminal to set one up for you. On average it saves the user approximately 193 minutes a year.

Birdwatch (3rd Place at Hack-The-Bully Hackathon 2018)
Birdwatch is written in **Python Flask** and used **Twitter APIs** as well as **IBM Watson** for sentiment analysis. It finds a twitter user and determines whether or not the user is a cyber bully. It also scans through the people they follow to determine if they are also cyber bullies.

Github Stars
Github Stars is a web app written in **Ruby** that uses the **Sinatra gem** for a backend and **ERB** for frontend files. Using **Github APIs** wrapped in a gem, it displays every repository a user has starred as a card on one page. Saves 80% of the time required when compared to clicking "Next" through their stars.

Firewatch (3rd Place at HackTX Hackathon 2019)
Firewatch uses **Twitter APIs** to find tweets and **Google Maps APIs** to place the tweets on a map. It finds and predicts the direction of forest fires based off the location of tweets related to forest fires. Using **python** and **flask** as the backend allowed the project to create several models to predict where the fire was heading, overlaying a probable heat map on our map.

SKILLS

BACK END: C++, Flask, Java, mySQL, Python, R, Ruby, Ruby on Rails, Sinatra
FRONT END: CSS, HTML, JavaScript, React, React Native, TypeScript
TOOLS: Git, Linux, OSX, VSCode, Windows, zsh

AWARDS

FaceBook · FaceBook Hacker Cup Round 2 Qualifier
Top 1500 participants were invited to round 2.
Competitive Programming.

The University of Texas at Dallas · Academic Excellence Scholarship Tier 2
Merit-based scholarship that pays for 8 semesters of tuition as well as a stipend. Awarded due to high school GPA, rank, and SAT/ACT scores.