Syed AbuTalib

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EDUCATION

The University of Texas at Dallas   Aug. 2018 - Dec. 2020
Bachelor of Science in Computer Science
GPA: 3.631/4.000
Courses Taken: Data Structures and Algorithms, Advanced Algorithm Design, Linear Algebra, Discrete Mathematics, Introduction to Machine Learning

EMPLOYMENT

Kalkomey, *Software Engineer Intern*, Farmers Branch, TX   Jan. 2019 - Dec. 2019, June 2018 - 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**.

SKILLS

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

PROJECTS

bruh
- Written in **Ruby**; appends a **Bash** shell script into the .zshrc or .bashrc file
- Whenever **git** claims that there is no "upstream branch", type "bruh" into the terminal to set one up as well as pushing to it
- On average, it saves the user approximately 193 minutes a year

Birdwatch (3rd Place at Hack-The-Bully Hackathon 2018)
- Written in **Python** and **Flask**; used **Twitter APIs** as well as **IBM Watson** for sentiment analysis
- Finds a twitter user and determines whether or not the user is a cyber bully using heuristics
- Also determines if the people they follow are cyber bullies

Github Stars
- Web app written in **Ruby** that uses the **Sinatra gem** for a backend and **ERB** for frontend files
- Uses the **github_api gem** to display every repository a user has starred on one page
- Takes 80% less time when compared to clicking "Next" through their stars

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

AWARDS

Google Code Jam Round 2 Qualifier, *Google*   2020
Three Round 1 rounds, top 1500 in each round qualifies for Round 2.
Competitive Programming.

FaceBook Hacker Cup Round 2 Qualifier, *FaceBook*   2019
Top 1500 participants were invited to round 2.
Competitive Programming.

Academic Excellence Scholarship Tier 2, *The University of Texas at Dallas*   2018
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.