Syed AbuTalib

Software Engineer Intern

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EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS   Aug. 2018 - Dec. 2020
Bachelor of Science in Computer Science
GPA: 3.606/4.000
Courses Taken: Introduction to Machine Learning

RICHARDSON HIGH SCHOOL   Aug. 2014 - May 2018
GPA: 5.17/5.00

EXPERIENCE

Kalkomey, *Software Engineer Intern*, Farmers Branch, TX   Jan. 2019 - Dec. 2019, June 2018 - Aug. 2018
- Implemented various features using **Angular**, **Ruby on Rails**, and **mySQL** for the Agency Management Systems
- Created a mobile app in **React Native** for customers to find local dive shops as well as diving instructors
- Created a server with **Ruby on Rails** as a backend API for a mobile app
- Implemented a front end in **React** for admins to easily edit the backend API
- Wrote a fishing mobile app in **React Native** for the Nevada Department of Wildlife
- Corrected front ends to become **WCAG 2.1** compliant

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

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.

AWARDS

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.