Syed AbuTalib

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Education

The University of Texas at Dallas · Aug. 2018 to Dec. 2020
Bachelor of Science in Computer Science
GPA: 3.631/4.000
Courses Taken: Data Structures and Algorithms, Linear Algebra, Introduction to Machine Learning, Artificial Intelligence, Computer Networks

Employment

Liberty Mutual Insurance
Software Engineer Intern · May 2020 to Aug. 2020 · Indianapolis, IN
- Created wireframes using **Balsamiq** in order to create the best design that follows company standards and responds to current feedback about the applications
- Developed on an internal form tracking web app with **TypeScript** and **Java** in order to process data into downloadable formats (.xlsx, .csv)
- Developed an internal Program Increment planner in **Angular** and **Spring Boot** for the purpose of efficiently and automatically planning out sprints

Kalkomey Enterprises, LLC
Software Engineer Intern · June 2018 to Dec. 2019 · Farmers Branch, TX

2019
- Created a mobile application using **React Native** for enthusiasts to find local dive shops
- Corrected multiple frontend applications to meet the goal of 100% WCAG compliance by using axe and Lighthouse
- Developed internal web applications using **Ruby on Rails** for States to provide hunting and recreational boating licenses

2018
- Implemented a mobile application in **React Native** used by Nevada citizens to find game fish and bodies of water
- Developed a backend API through **Ruby on Rails** for the game fish mobile application to receive fish location data
- Built a frontend application in **React** for admins to alter the API

Skills

Programming: Java, Python, R, Ruby, CSS, HTML, JavaScript, TypeScript, SQL, Flask, Ruby on Rails, React, React Native, Sinatra
Tools: Git, Linux

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

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

The University of Texas at Dallas · Academic Excellence Scholarship Tier 2
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.

The Dallas Entrepreneur Center, Tacky BoxHack-The-Bully Hackathon (3rd Place)
2018
Birdwatch 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. Python and Flask; used Twitter APIs as well as IBM Watson for sentiment analysis.