

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

- 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 · Jan. 2019 to Dec. 2019, June 2018 to Aug. 2018 · Farmers Branch, TX

- 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: 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

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 · Google Code Jam Round 2 Qualifier

Three Round 1 rounds, top 1500 in each round qualifies for Round 2.

Competitive Programming.

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.

The Dallas Entrepreneur Center, Tacky Box · Hack-The-Bully Hackathon (3rd Place)

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.