

Syed AbuTalib

Software Engineer Intern

✉ syedabutalib589@gmail.com 🌐 abutalib.xyz ☎ (972) 679-4453 📍 Richardson, TX in syed-abutalib 📷 SyedAbuTalib

EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS

Aug. 2018 - Current

Bachelor of Science in Computer Science 2022

GPA: 3.5/4.0

Courses Taken: Discrete Mathematics, Computer Architecture, Statistics, Linear Algebra, Data Structures & Algorithm Analysis, C in Unix

EXPERIENCE

Kalkomey, Software Engineer Intern, Farmers Branch, TX

Jan. 2019 - Current, 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

SKILLS

PROGRAMMING: C++, CSS, Flask, HTML, Java, Javascript, Python, React, React Native, Ruby, Ruby on Rails, 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.

Mergesort in MIPS

This is the iterative implementation of mergesort, writing in **MIPS Assembly Language**.

Birdwatch (3rd Place at Hack-The-Bully Hackathon)

Birdwatch is a project that 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. It was written in **Python Flask**, and used **Twitter APIs** as well as **IBM Watson** for the sentiment analysis.

Twitter Checker

Given the twitter handle of a user, Twitter Checker gets following and follower data using **Twitter APIs** and analyzes it with **Python**. It then separates the processed data into "Didn't Follow Back", "Mutuals", and "Fans", allowing the user to follow back friends or unfollow those who've been muted.

Firewatch (3rd Place at HackTX Hackathon)

Firewatch is a hackathon project that finds and predicts the direction of forest fires based off the location of tweets related to forest fires. It uses **Twitter APIs** to find tweets and **Google Maps APIs** to place them on a map. 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.