

ASU DHAKAL

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EDUCATION

University of Texas at Austin

B.S Computer Science

University Honors (Fall 2016, Spring 2017)

Activities: *Texas Convergent, Mobile App Development, Codepath*

Anticipated December 2019

Austin, TX

EXPERIENCE

Bankrate, inc.

Software Engineering Intern

May 2017 - Present

Austin, TX

- Implementing a RESTful API service for a card catalog platform using Spring Boot in an Agile environment
- Deploying containerized applications using Docker and AWS
- Developing front end logic using NodeJS, React/Redux, and Express on both the server side and client side
- Creating revenue processing systems to analyze and parse through large amounts of transaction data

Livestrong Foundation

Software Developer Intern

January 2017 - May 2017

Austin, TX

- Used MongoDB and NodeJS to add functionality to the "LivestrongAtTheYMCA" website
- Created a way to allow optimal search results when user's search for local YMCA spots
- Updated web page content using Drupal and HTML/CSS

SKILLS

Programming Languages: Java, Python

Tools/Platforms/Frameworks: *Familiar with* iOS, React/Redux, Django, Flask, HTML, CSS, Spring Boot

Misc: Git, UNIX/Linux, LTE/4G, Atlassian Tools(JIRA, Confluence), Asana

PROJECTS

Machine Learning Algorithms

Python

- Scripted optimization algorithms using DEAP and numpy
- Used methods such as gradient descent, hill-climbing, and genetic algorithms

WhereUT? - *HackTX*

Android and iOS

- Building a mobile app that allows users to share events and locations
- Used Google's Firebase for the back-end

Listify - *MusicHacks*

Flask Web App

- Built a web app that allows users to find Spotify playlists on demand by uploading a picture
- Used Microsoft's Cognitive Services API and Python's Spotipy API

ANDBinaryOR

Python

- Developed and trained a neural network using supervised training using one hidden layer

MarkUp - *HackDFW*

HTML, CSS, JavaScript

- A Google Chrome extension that allows users to automatically add citations and notes from a webpage onto the panel of the extension, later saving it as a txt.file.

RELEVANT COURSEWORK

- Data Structures and Algorithms, Computer Architecture*, Discrete Mathematics, Linear Algebra, Computational Intelligence, Differential and Integral Calculus, Multi-variable Calculus*, Statistics and Probability*
- *Current