

# Asutosh Dhakal

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## EDUCATION

### UNIVERSITY OF TEXAS AT AUSTIN

COMPUTER SCIENCE  
Expected May 2020 | Austin, TX  
University Honors (Fall 2016)  
GPA: 3.9/4.0

### COPPELL HIGH SCHOOL

Grad. June 2016 | Coppell, Texas  
National AP Scholar  
National Merit Finalist

## LINKS

Github:// [asutoshCS](#)  
LinkedIn:// [asutoshdhakal](#)

## COURSEWORK

(Current)  
Data Structures and Algorithms  
Computational Intelligence  
Discrete Mathematics  
Linear Algebra  
(Past)  
Differential and Integral Calculus  
Introduction to Programming

## SKILLS

Languages  
Java • Python  
Tools/Platforms  
iOS • Android • Drupal  
HTML • CSS • Node.js • MongoDB  
Misc.  
Git • UNIX/Linux • LTE/4G

## ACTIVITIES

### CODEPATH UNIVERSITY

Student - Selective course

### MOBILE APP DEVELOPMENT

Member

### TEXAS CONVERGENT

Member

### HACKATHONS

HackDFW  
HackTexas  
MLH Prime Southwest

## EXPERIENCE

### BANKRATE | SOFTWARE ENGINEERING INTERN

May 2017 – August 2017 | Austin, TX

- Incoming member of the microservices/platform engineering team working on RESTful APIs for summer 2017.

### LIVESTRONG FOUNDATION | SOFTWARE DEVELOPER INTERN

Jan 2017 – May 2017 | Austin, TX

- Developing various functionalities to the "Livestrong at the YMCA" website using Drupal, Node.js, and other back-end and front-end technologies such as HTML, CSS, Java, Mongoose, and MongoDB.
- Working with the Digital Solutions team under Scrum and Agile methodologies, attending team meetings and presenting new work.

## PROJECTS

### MACHINE LEARNING ALGORITHMS | PYTHON

January 2017

A series of optimization algorithms that uses methods such as gradient ascent/descent, hill-climbing, genetic algorithms, and single-state methods. Utilized numpy, matplotlib, DEAP, pandas and other Python libraries.

### WHEREUT? | ANDROID AND IOS

October 2016 – Present

Building a mobile app that allows users to create friend groups and invite friends to various locations. Used the Google Map API to create different markers to allow users to view their invites in an efficient way, and implemented the use of Firebase for backend user authentication.

### GUITAR HERO | JAVA

December 2016

A fully functioning piano/guitar GUI in Java. Used several OOP principles such as inheritance and polymorphism. Implemented a ring buffer which acted like an ArrayList.

### SOUNDCHANGER | IOS

November 2016

An app that allows the user to record an audio recording and change the audio with different filters.

### YIK YAK | ANDROID

September 2016

Created a Yik Yak like application from the bottom up utilizing Google Firebase to store user input and utilized recycler views for the first time.

### MARK UP | HTML, CSS, JAVASCRIPT

May 2016

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. First time using HTML, CSS, and JavaScript.