

# Asu Dhakal

<b>Contact</b>	<u>Email</u> : asutosh.dhakal@utexas.edu <u>Phone</u> : 469.569.3338	
<b>Education</b>	University of Texas at Austin Bachelor of Science in Computer Science	Expected May 2020
<b>Experience</b>	<b>Uber</b> <i>Incoming Software Engineering Intern</i> <ul style="list-style-type: none"><li>• Uber Freight - Carrier Team</li></ul>	May 2019 - August 2019 <i>San Fransisco, CA</i>
	<b>Amazon</b> <i>Software Developer Engineering Intern</i> <ul style="list-style-type: none"><li>• Designed, built, and tested a service responsible for evicting impaired EC2 instances</li><li>• Developed an internal API coupled with work flows responsible for scheduling evictions, notifying customers, and evicting instances based on state machine guards</li><li>• Deployed the service to various regions and implemented throttling and metrics</li></ul>	May 2018 - August 2018 <i>Seattle, WA</i>
	<b>Bankrate</b> <i>Software Engineering Intern</i> <ul style="list-style-type: none"><li>• Implemented an API service using Spring Boot as a member of the engineering team</li><li>• Developed front end logic using NodeJS, React/Redux, and Express</li><li>• Created revenue processing systems to analyze and parse through large amounts of transaction data from CreditCards.com</li></ul>	May 2017 - December 2017 <i>Austin, TX</i>
	<b>Livestrong Foundation</b> <i>Software Developer Intern</i> <ul style="list-style-type: none"><li>• Used MongoDB and NodeJS to add functionality to the website</li><li>• Created a way to allow optimal search results when user's search for local YMCA spots using LeafletJS</li></ul>	January 2017 - May 2017 <i>Austin, TX</i>
<b>Skills</b>	<u>Programming Languages</u> : Java, Python, <i>Familiar with</i> : C, Ruby <u>Tools</u> : <i>Familiar with</i> iOS, React/Redux, Django, Flask, HTML, CSS, Spring Boot	
<b>Projects</b>	<ul style="list-style-type: none"><li>• Pintos — implemented a toy OS with thread synchronization, system calls, virtual memory, stack growth, and an extensible file system.</li><li>• WhereUT? — creating an application that allows users to find other students on campus and schedule hang-outs and social gatherings. Used Google's Firebase and authentication services from Twitter and Facebook.</li><li>• Listify — developed a small web app that returns Spotify playlist suggestions based on a user uploaded picture. Used python's Spotipy API and Microsoft's vision API.</li><li>• PyBucks — creating a visual representation of all Starbucks locations in the world.</li><li>• MarkUp — created a Google Chrome extension that allows users to save notes and MLA citations on a given web page.</li><li>• Digit Recognizer — used an evolutionary algorithm to optimize hyper parameters in scikit learns method MLPClassifier to improve digit accuracy to 98</li><li>• YikYakAndroid — developed a Yik Yak clone on Android, using Google Firebase.</li></ul>	
<b>Activites and Honors</b>	Mobile App Development, <i>Member</i> University Honors	August 2016 - Present Fall 2016, Spring 2017
<b>Notable Coursework</b>	Data Structures, Algorithms, Operating Systems, *Data Mining, *Data Management Computer Architecture, Discrete Mathematics, Linear Algebra, Probability, Computational Intelligence. (Fall 2018*)	