

# TEJAS MEHTA

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## EDUCATION

**The University of Texas at Austin** Texas Honors Computer Science and Business May 2023  
Bachelor of Science in Honors Computer Science, Applied Statistical Modeling Certificate  
Bachelor of Business Administration, Canfield Business Honors, Management (Entrepreneurship)  
GPA: 3.9670/4.0 for 30 hours

## RELEVANT COURSEWORK

Honors Data Structures, Honors Computer Architecture, Honors Discrete Mathematics, Robot Learning, Honors Intro to Information Technology Management, Probability and Statistics, Longhorn Startup Seminar, Data Visualization and Quantitative Methods

## EXPERIENCE

**The Home Depot - Software Engineering Intern;** Austin, TX (Remote) June 2020 - August 2020

- Developing an autocomplete form in self-checkout that allows professional contractors to store their transaction by job name
- Utilizing React, Redux, Java (Spring), and WebSocket communication
- Designing for professional contractors around the US that are responsible for over 45% of the Home Depot's revenue

**Zimperium Mobile Security - Software Engineering Intern;** Dallas, TX June 2019 - August 2019

- Developed and hosted a full stack Web App using a Python/Flask Backend and a HTML, CSS, and JavaScript (jQuery) frontend
- Designed the tool to visualize VPCs in an interactive map and provide live metrics, endpoints, and attributes for 87 VPCs
- Implemented an API to post and update data automatically and created a secure Firebase Database protected with Firebase Auth
- Deployed using Ansible and Shell and is currently used by 143 (70%) employees in engineering, sales, and management

**UNT EFRI Phononics Lab - Research Fellow;** Denton, TX October 2017 - May 2019

- Utilized MATLAB, IdealCircuit, R, and Plotly to create a novel form of encryption utilizing quantum tunneling and Anderson Localization for an untraceable and frugal means of communication

- Authored paper and presentation submitted to the Texas Junior Academy of Science

**XLabs - Curriculum Developer;** Remote

August 2019 - Present

- Mentoring a group of young students in developing sustainable IOT projects and writing introductory machine learning curriculum
- Assisted with marketing by organizing and leading outreach events to increase XLab's consumer base

## PROJECTS

**LocoEats - Web** April 2018 - Present

- Locally owned and Black owned restaurant discovery service with over 2000 unique users, 8300 pageviews, and 6100 queries
- Built using ReactJS, Python (Flask), and PostgreSQL, deployed using Cloud Run, Cloud SQL, and monitored using Google Analytics

**CraveRN - Web, Google Play Store.**

March 2020 - Present

- Restaurant discovery service that utilizes an image-based search engine to display personalized restaurants to users
- Developed using a Python (Flask) backend, a HTML/CSS/JS frontend, that utilizes Firebase Database and Google Cloud Storage
- Deployed using Google Cloud Run. Cross-platform (iOS and Android) application designed using Flutter (Dart)

**Vicaya Web Crawler and Search Engine - Personal Project (Started as School Project)**

- Crawled over 1,000 pages of wikipedia.org and stored their descriptions, titles, and words in a quickly searchable 40mb index.
- Developed query engine using Dijkstra's shunting yard algorithm capable of phrase, and, or, and negation queries under 1 second.
- Deployed using Google Cloud Run, Compute Engine (VM), Cloud Storage, and Spring Boot (Java)

## LEADERSHIP EXPERIENCE AND ACTIVITIES

**Computer Science and Business Association - Vice President of Technology**

April 2020 - Present

- Developed [TexasCSBA.org](https://texascsba.org) (ReactJS+Firebase) and created an automated email, calendar, subscription, and feedback infrastructure

**Student Government Organization - Senator**

May 2018 - May 2019

- Represented 374 students at UNT and promoted funding for TAMS clubs, healthier food, and a safe, inclusive residence hall
- Launched a peer support program [upliftstress.com](https://upliftstress.com) with the support of the dean, psychologist, and director of student life
- Interviewed and trained 10 students to be peer supporters for the service now available to 374 students

## HONORS

- International Collegiate DECA: 2<sup>nd</sup> Entrepreneurship Challenge, 4<sup>th</sup> Emerging Technologies Marketing Strategies April 2019
- Undergraduate Research Fellowship November 2018
- University of North Texas President's List (4 semesters) August 2017 - May 2019
- Texas Junior Academy of Science: 2nd place Engineering October 2018

## ADDITIONAL INFORMATION

**Technical Skills:** Proficiency: Java, Python, C, React, HTML/CSS, Google Cloud | Exposure: JS, PyTorch, SQL, Angular, Flutter, Git, Creo

**Languages:** Fluent in English and Hindi, Basic Understanding of Spanish and Punjabi

**Work Eligibility:** Eligible to work in the U.S. with no restrictions