

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, a feature crucial for > 45% of Home Depot's revenue
- Utilizing React, Redux, Java (Spring), and WebSocket communication to modify the register and self-checkout codebases

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

- Developed a full stack Web App using Python (Flask), HTML, CSS, and JavaScript (jQuery) detailing Zimperium's cloud infrastructure
- 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

- Authored paper and presentation submitted to the Texas Junior Academy of Science
- Using MATLAB and R, created a frugal and untraceable encryption system utilizing quantum tunneling and Anderson localization

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 June 2020 - 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 (Google Play Store) March 2020 - Present

- Mobile and web app with an image-based search engine to display personalized and currently open restaurants to users
- Developed using a Python (Flask) backend and 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 December 2019 - Present

- 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

- Created [TexasCSBA.org](https://texascsba.org) (React) with features including 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 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: 2nd Entrepreneurship Challenge, 4th 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: Java, Python, C, React, HTML/CSS, Google Cloud Platform, JavaScript, SQL, PyTorch, Flutter, Creo, Git

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

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