

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 text field for self-checkout that allows professional contractors to store their transaction by job name
- Utilizing React, Redux, and Java (Spring Boot)
- 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 webapp 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 developing introductory ML 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 1631 unique users, 6716 pageviews, and 5943 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 native mobile 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 Djisktra'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 Organization – 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 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: Proficiency: Java, Python, C, HTML/CSS, Google Cloud | Exposure: JS, PyTorch, React, 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