

TERESA TECHNICAL

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EDUCATION

The University of Texas at Austin, Austin, TX
Bachelor of Science in Computer Science, GPA 3.3

May 2024

Relevant Coursework: Object Oriented Programming, Artificial Intelligence, Algorithms, Data Structures, Data Mining

TECHNICAL SKILLS

- Proficient in Java; Familiar with C, C++, and SQL; Exposed to Python and Javascript

EXPERIENCE

Pros, Denver, CO

June 2023 – August 2021

Software Development Intern

- Designed a REST API call in Java that allows clients to simultaneously update multiple interdependent elements within a large SQL Server database, resulting in significant performance increases for both client and server.
- Used a topological sorting algorithm on a DAG in order to correctly resolve data dependencies.
- Refactored existing API calls to use XML Serializable objects and new API backend methods.

Indeed, Austin, TX

May 2022 – August 2020

Online Marketing Intern

- Designed Web Application from scratch using Django and MySQL that allows Indeed's employees to query, compare and store various marketing statistics across different groups of companies for purpose of A/B testing.
- Used a Naïve Bayes classifier to determine the significance of each metric and displayed custom graphs corresponding to the most relevant metrics of each query.
- Implemented an LDAP system to allow users to log in and save custom charts, graphs, information, and queries.

Computational Materials Stream, Freshman Research Initiative, UT Austin, Austin, TX

January 2020 – May 2021

Undergraduate Research Assistant

- Obtained skills for research in computational science and engineering with applications in materials and chemistry research to find new catalytic materials for alternative energy technologies and improve prediction of catalytic behavior
- Presented poster of final research project on the performance of Palladium-Technetium catalysts in fuel cells

PROJECTS

- **Twitlist** – Created a Spotify playlist from the hashtags used by a given twitter account. Uses Flask, Mako templating, and Requests, along with the Spotify and Twitter APIs
- **APEX Applications** – Using combined knowledge of JSON, SQL, and Cypher, made online applications that exercised permissions and a mobile application that fetches radio IP streams.
- **Compiler** – Built compiler for a script language interpreting basic arithmetic and Boolean operations

CAMPUS INVOLVEMENT

Code Orange, The University of Texas at Austin, Austin, TX

August 2021 – Present

Curriculum Director, Treasurer

- Help keep 100+ low income neighborhood elementary school children engaged by keeping curriculum fun and challenging
- Expanded curriculum to include more hands-on learning (Ozobots, Circuit Builder, Code.org, Scratch, Jeroo)
- Budget for the academic year to maximize educational and experiential benefits to 100+ mentees
- Manage interactions with the UT Computer Science department