

# Michelle Sang

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## EDUCATION

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**The University of Texas at Dallas**

August 2021 - May 2025

*Bachelor's Degree in Computer Science*

## SKILLS

**Relevant Coursework:** Machine Learning, Artificial Intelligence, Database Systems, Advanced Algorithms, Probability & Statistics, Software Engineering, Operating Systems, C/C++ Programming in UNIX Env.

**Languages:** Python, Java, JavaScript, TypeScript, HTML/CSS

**Technologies:** Git/Github, Scikit-learn, Angular, Node.js, PostgreSQL, MySQL, Flask

## PROJECTS

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**RetailSync** | *MySQL, Flask, JavaScript, HTML/CSS*

- Designed an end-to-end full-stack e-commerce platform with real-time database integration
- Built and optimized RESTful Flask API endpoints to handle CRUD operations, ensuring data integrity through input validation
- Led Agile development as SCRUM Master, iterating on features based on user feedback and sprint planning

**FlightTrack** | *Angular, TypeScript, HTML/CSS, Node.js, PostgreSQL*

- Engineered a full-stack web application to dynamically analyze and present flight simulation data
- Experimented with thousands of database entries to get most optimal output and calculations
- Optimized data processing and code performance to enhance efficiency and reduce execution time

**Meme Interpretation** | *Artificial Intelligence, Undergraduate Research Assistant*

- Assisted in the development of a novel AI dataset for meme interpretation
- Analyzed logical fallacies, designed annotation guidelines, and applied machine learning methods to improve dataset quality

## WORK EXPERIENCE

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**City Of Carrollton** | *Esports Data & Marketing Intern*

June 2024 - Present

- Led the construction of a newly launched esports center, assembling 20 high-performance PCs and optimizing the gaming environment
- Streamlined CRM processes, increasing revenue from previous esports center by over 500%
- Conducted research for data-driven decision making, whose feedback optimized marketing and event planning

**Texas Auto Value** | *Sales Associate*

April 2023 - September 2023

- Analyzed market trends and recommended the most profitable products based on time and resource considerations
- Recorded appraisal values of cars in Excel, resulting in an increase of up to 15 cars per week for the company
- Developed strategies to effectively engage with clients to understand their goals and satisfy their requests

**Movement** | *Associate & Instructor*

March 2022 - April 2023

- Supervised an 8-member team during shifts, with responsibilities including task delegation, inventory management, and conflict resolution
- Taught climbing techniques and safety protocols, ensuring proper equipment use and risk management

**Vinebase** | *Software Engineering Intern*

June 2020 - August 2020

- Engineered a Java-based web scraper to automate data analysis and visualization for over 100 winery locations
- Helped build foundational relationships and spread connections to all winery associations in California

## LEADERSHIP EXPERIENCE

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**Filipino Student Association** | *Family Leader*

August 2023 - Present

- Led a group of underclassmen as a "big sister" and mentor in academic and personal development
- Organized events that improved community engagement by 50%