

# Myka Escaran

Diligent college student looking to use my receptive and adaptive skills to learn and create a productive environment

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## Projects

- Handtracking VFX | TouchDesigner**  
*Fall 2026*
  - Developed interactive visual effects using MediaPipe hand-tracking and TouchDesigner to create gesture-driven particle systems and real-time GPU-accelerated simulations.
- Home Field Advantage Analyzer | Java**  
*Fall 2026*
  - Developed an application to analyze home field advantage by parsing large-scale datasets (15,000+ records) from NCAA and MLB historical scores with an interactive CLI with error handling for file path validation and multi-file data processing.
- Robotic Control Interface for Sawyer | Python**  
*Spring 2025*
  - Developed a functional teleoperation interface for a Sawyer robotic arm using TeleMoMa, enabling precise and intuitive user control for manipulation tasks.
- Adaptive Hangman Game | Java**  
*Spring 2025*
  - Developed a Hangman program utilizing lists, maps, and sets to partition and track word families, enabling the computer to adaptively choose the most difficult word outcomes in response to user guesses
- Binary Search Tree Class Implementation | Java**  
*Fall 2025*
  - Created and implemented a Binary Search Tree (BST) class supporting efficient insertion, deletion, and search operations while maintaining correct node ordering and structural integrity.
- Anagram Solver | Java**  
*Fall 2025*
  - Designed and implemented a Java program that generates valid anagrams from user-provided input using dictionary-based word matching. Utilized hash maps and sets to efficiently compare character frequencies and optimize performance.
- Stylist for Spark Magazine Issue No. 23: "MOTOR"**  
*Fall 2024*
  - Procured detailed outfits for photoshoot for titles "you will be buried here" and "Propagation"

## Work Experience

- Prep Cook - Cava**  
*Spring 2026*

Executed high-volume food preparation and inventory management while maintaining a sterilized workspace and adhering to strict food safety protocols to ensure seamless kitchen operations.
- Teacher - Graham Elementary School through UTeach**  
*Spring 2025*

Planned and delivered engaging, developmentally appropriate science lessons aligned with state and district curriculum standards to 5th graders
- Barista - Starbucks**  
*Spring 2024 - Summer 2024*

Demonstrated consistent multi-tasking, time management, and communication skills in a high-pressure environment

## Education

**University of Texas, Austin, TX – Computer Science**  
*Expected Graduation - 2028*

### Courses

- CS312 - Introduction to Programming
- CS314 - Data Structures and Algorithms
- CS311 - Discrete Mathematics
- SDS321 - Introduction to Statistics
- SDS301 - Elementary Statistical Methods

**Lampasas High School, Lampasas TX – High School Diploma**  
*Aug 2020 - May 2024*

**Kingsland University, Kingsland TX – Software Engineering Microcredential**  
*Aug 2020 - May 2024*  
*Software Engineering Microcredential through MajorClarity, INC.*

## Skills

- Programming:** Java, Python, JavaScript (Node.js), some CSS, and some C++ and C#
- Frameworks & Libraries:** React, MediaPipe, Discord.js, TeleMoMa.
- Tools:** TouchDesigner, Git/GitHub, VS Code, R Studio, IntelliJ IDEA, Canva, Word.
- Problem Solving:** Easily adapt to environment, think critically and implement solutions
- Interactive Design:** Computer vision integration, gesture-driven interfaces, and motion tracking.
- Production:** Fashion styling, photoshoot coordination, and aesthetic curation.

## Languages

- English
- Korean (basic)
- Tagalog (basic)

## Hobbies

- Competitive shooter games - Marvel Rivals, Valorant, Overwatch
- Audio design in FL Studio
- Digital art and traditional art occasionally
- Fashion