

# Iniyan Joseph

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## EDUCATION

**University of Texas at Dallas - 3.982**

*Computer Science, CV Honors*

Richardson, TX

Aug. 2023 - Dec. 2025

## EXPERIENCE

**Grader**

*University of Texas at Dallas*

Jan. 2024 - Present

Richardson, TX

**Research Intern**

*UTD Multimodal Interactions Lab*

Sep. 2023 - Sep. 2024

Richardson, TX

- Wrote two research papers (currently under review)
- Studied issues with high resolution depth perception and efficient text entry in virtual reality
- Designed two keyboards for virtual augmented reality

## RESEARCH AND PROJECTS

**PropType- Everyday Props as Typing Surfaces in Augmented Reality |**

CHI 2025

**Fair Division Survey |** *Discrete Mathematics, Fair Division, Algorithm Design and Analysis, Economics*

Aug. 2024 - Dec. 2024

- Surveyed current research in Fair Division
- Summarized literature and found research gaps and open problems

**Gus and the search for the Golden Goose |** *Typst, Latex, Mathematics*

Jan. 2024 - Present

- Authoring children's book introducing introductory mathematics
- Explain arithmetic, geometry, discrete mathematics, and calculus through story

**Simple Shell |** *C, BASH*

Apr. 2024 - May 2024

- Developed BASH Shell with support for piping and redirection in C

**Nebula Labs |** *Go, ChromeDP, MongoDB*

Sep. 2023 - Dec. 2023

- Open source contribution to UTD Nebula Project
- Wrote in-use production code and learned about data analytics
- Web scraper for UTD professor and event data

**Project Kaos |** *Unreal Engine, C++, Scrum, Agile*

Aug. 2022 - May 2023

- Practiced Scrum and AGILE methodologies as project manager and developer
- Developed First-Person RPG Video game using Unreal Engine
- Learned communication skills and problem-solving skills
- Presented to Gearbox

## CLUBS

**UTD Computation and Economics Club |** *Founder, President*

Mar. 2024 - Present

- Study select problems in Economics and Computation
- Work on Combinatorial Optimization problems
- Write and present lectures on theoretical CS, discrete math, and economics

**UTD Codeburners |** *Member*

Aug. 2023 - Present

- Participate in International Collegiate Programming Competition events
- Compete in North American Qualifiers and South Central USA Competitions
- Host UTD Battle of the Brains

**UTD World Languages Club |** *Officer*

Jan. 2024 - Present

- Lead discussions in linguistics
- Study romance language grammar and constructed language design

**ACM |** *Member*

Sep. 2023 - Present

- Member of largest computer science club in UTD

**Nebula Labs API Team |** *Member*

Sep. 2023 - Dec. 2023

- Open source team developing software to serve the UTD community
- Contribute to API team and develop web scraper for server backend