Iniyan Joseph

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EDUCATION

University of Texas at Dallas - 3.982   Richardson, TX
Computer Science, CV Honors   *Aug. 2023 - Dec. 2025*

EXPERIENCE

Grader   Jan. 2024 - Present
University of Texas at Dallas   *Richardson, TX*

Research Intern   Sep. 2023 - Sep. 2024
UTD Multimodal Interactions Lab   *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 Internation 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