

Iniyan Joseph

McKinney, TX | iniyanijoseph@gmail.com | github.com/iniyanijoseph | linkedin.com/in/iniyanijoseph | iniyanijoseph.github.io

EDUCATION

The University of Texas at Dallas

Bachelor of Science, Computer Science

- Cumulative GPA: 3.99/4 | Dean's List, Academic Excellence Scholarship

Richardson, TX

Aug 2023 — Aug 2025

WORK EXPERIENCE

Grader

Jan 2025 — May 2025

The University of Texas at Dallas

Richardson, TX

- Supported professor in grading for Discrete Mathematics for Computing (CS 2305).

PUBLICATIONS

PropType: Everyday Props as Typing Surfaces in Augmented Reality

ACM CHI 2025 Honorable Mention

- Hyunjae Gil, Ashish Pratap, Iniyan Joseph, Jin-Ryong Kim*

Survey of Discrete Fair Division

Aug 2024 — Dec 2024

- Iniyan Joseph*

PROJECTS

Gus the Goose

Jan 2025 — Present

- Authoring picture book written to teach Discrete Mathematics for children.

TurboMarkdown

Aug 2024 — Dec 2024

- Created website to easily compile Markdown Files into pdfs with custom coloring.

Simple Shell

Jan 2024 — May 2024

- Wrote simple Bash shell application using C with support for piping.

Nebula Labs' API

Aug 2023 — Dec 2023

- Developed scrapers for UTD Nebula Labs' API for aggregation of professor profile information.

Sensory Profile Calculator

Jun 2023

- Designed UI for Sensory Profile Assessment for sensory tendencies among neurodivergent students.

Project Kaos

Aug 2022 — May 2023

- Designed UI for Role Playing Game using Unreal Engine 5.

EXTRACURRICULARS & CERTIFICATIONS

TCS Research - Advised by Emily Fox

Aug 2024 - Present

- Research algorithms for Symmetric Submodular Optimization.

HCI Research - Advised by Jin-Ryong Kim

Sep 2023 - Sep 2024

- Coauthor two papers on efficient text entry in virtual and augmented reality.

UTD Algorithms Club

May 2024 - Aug 2025

- Teach topics in Computational Geometry, Fair Division, and Combinatorial Optimization.

UTD Codeburners

Aug 2023 - Aug 2025

- Participate in and host competitive programming competitions.

HSP - Social and Behavioral, CITI

Jan 2024

HSP - Responsible Conduct of Research for Engineers, CITI

Jan 2024

Piano

- Compete in several music festivals and competitions, receiving Texas Federation of Music Clubs Gold Cup.

SKILLS

- Projects:** Python, Java, C/C++, Lua, Go, Bash, Typst, Latex, HTML/CSS, Nim, Nix, Lisp, Prolog, Rust, Racket
- Technologies:** Tensorflow, Unity, Godot, Unreal Engine 5, Git, Github, NixOS, Linux, PyGame, Tkinter
- Languages:** English, Tamil, Esperanto