

Iniyan Joseph

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EDUCATION

The University of Texas at Dallas

Bachelor's of Science, Computer Science

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

Richardson, TX

Aug 2023 — Aug 2025

EXPERIENCE

Grader

The University of Texas at Dallas

- Grade homework for Discrete Mathematics for Computing (CS 2305)

Jan 2025 — May 2025

Richardson, TX

Pianist

Cedar Creek Lake United Methodist Church

- Perform yearly Christmas cantata

Dec 2022 — Present

Kemp, Texas

PUBLICATIONS

PropType: Everyday Props as Typing Surfaces in Augmented Reality

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

ACM CHI 2025 Honorable Mention

Survey of Discrete Fair Division

- Iniyan Joseph*

Aug 2024 — Dec 2024

PROJECTS

Gus the Goose

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

Jan 2025 — Present

TurboMarkdown

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

Aug 2024 — Dec 2024

Simple Shell

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

Jan 2024 — May 2024

Nebula Labs' API

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

Aug 2023 — Dec 2023

Sensory Profile Calculator

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

Jun 2023

Project Kaos

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

Aug 2022 — May 2023

EXTRACURRICULARS & CERTIFICATIONS

TCS Research - Advised by Emily Fox

- Research algorithms for Symmetric Submodular Optimization.

Aug 2024 - Present

HCI Research - Advised by Jin-Ryong Kim

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

Sep 2023 - Sep 2024

UTD Algorithms Club

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

May 2024 - Aug 2025

UTD Codeburners

- Participate in and host competitive programming competitions.

Aug 2023 - Aug 2025

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
- Technologies:** Tensorflow, Unity, Godot, Unreal Engine 5, Git, Github, NixOS, Linux
- Languages:** English, Tamil, Esperanto