

KINJAL PARIKH

<https://KinjalParikh.github.io>

Kinjal.Parikh@outlook.com

EDUCATION

University of Toronto

Sept 2022 – Present

PhD in Computer Science at Dynamic Graphics Project

Advised by Prof. David I.W. Levin

Savitribai Phule Pune University

Aug 2017 – Aug 2021

B.Tech. in Computer Engineering

PUBLICATIONS

Differentiable Variable Fonts

under submission

Kinjal Parikh, Danny M. Kaufman, David I.W. Levin, Alec Jacobson

RESEARCH EXPERIENCE

Adobe Research

June 2024 – Nov 2024

Research Internship

Mentors: Alec Jacobson, Danny M. Kaufman

Topic: Editing and animating text using variable fonts

Summer Geometry Institute, Massachusetts Institute of Technology

July 2021 – Aug 2021

Summer Research Program (Acceptance rate: 5.4%)

Mentors: David I.W. Levin, Tal Schnitzer, Matheus Gadelha

Topics: Implicit shape optimization, Correspondence problems, Parametric implicit classifiers

Indian Institute of Technology, Bombay

May 2020 – July 2021

B.Tech. Research Project

Mentor: Uday Khedker

Topic: Formalization of Translation Performed by the SCLP compiler phases

SOFTWARE ENGINEERING EXPERIENCE

Walmart Global Tech India

Aug 2021 – Aug 2022

Software Engineer – Java Springboot projects for logistics systems

Walmart Global Tech India

June 2020 – July 2020

Summer Intern – Automated KPI calculations for workflows using PySpark and MS SQL

TEACHING EXPERIENCE

University of Toronto

Sept 2023 – Present

Teaching Assistant

- CSC108H1 – Introduction to Computer Programming (Fall 2023, Winter 2025);
- CSC148H1 – Introduction to Computer Science (Fall 2025)

PROJECTS

- **Data Tactualization** May 2024
Explored tactile texture densities for quantitative haptic visualizations.
- **Isosurface Stuffing** (*Labelle et al., 2007*) – Implementation. Dec 2023
- **NeRF** (*Mildenhall et al., 2020*) – Implementation. Apr 2023
- **Quasi-harmonic Weights** (*Wang et al., 2021*) – Implementation. Dec 2022
- **Normal-Driven Spherical Shape Analogies** (*Liu et al., 2021*) – Implementation. July 2021
- **Virtual Drumkit** – OpenCV-based drumkit simulator. May 2020
- **AR Photo Booth App** – Android app for photos with 3D virtual objects. Feb 2020

AWARDS AND SCHOLARSHIPS

Wolfond Scholarship in Wireless Information Technology

2022–2024

University of Toronto – \$20,000 CAD

Seminar Report on Scene Graph Generation

2020

Top 15 out of 224 student seminars – Cummins College of Engineering

OUTREACH

CS Academy

March 2025

Co-chair for a week-long outreach event introducing high schoolers to research in Computer Science.

DGP Academy

Mar 2024

Helped organize week-long outreach introducing graphics research to high school students.

Summer Geometry Institute

July 2023

Student volunteer and project coordinator.

Samyak Drishti Foundation NGO

2017–2020

Taught English and led environmental/social drives.

Hour of Code

Dec 2018

Volunteered for coding outreach for children.