

Shreyas Kadekodi

CURRICULUM VITAE — JULY 2025

(949) 396-9909
shreyaskadekodi@gmail.com
github.com/kadekool

EDUCATION	University of California, San Diego PhD in Computer Science and Engineering Advisor: Berk Ustun	2023 – PRESENT
	University of Colorado, Boulder MS in Computer Science Thesis: Multi-criteria optimization in a multi-stage fairness-aware recommendation pipeline Advisor: Robin Burke	2022 – 2023 GPA: 3.92
	University of Colorado, Boulder BS in Computer Science Advisor: Robin Burke	2019 – 2022 GPA: 3.967
RESEARCH INTERESTS	Areas: Machine Learning, Computational Social Choice, Algorithmic Decision-Making Topics: Interpretability, Preference Learning, Reliability Domains: Recommender Systems, Medicine, Consumer Finance	
RESEARCH EXPERIENCE	That Recommender Systems Lab, University of Colorado, Boulder • <i>Research Assistant (MS):</i> Explored reranking optimization methods to ensure diverse and equitable recommendations, as well as projects to address multi-stakeholder recommendation, extending on work as an undergraduate. • <i>Undergraduate Researcher:</i> Explored reranking optimization methods and expanded the open-source Librec-Auto platform.	AUG 2020 – MAY 2023
	Human Interaction and Robotics Group, University of Colorado, Boulder <i>Undergraduate Researcher</i> Researched robotics controllers to avoid and manage collisions for safety in Human-Robot interaction.	MAR 2021 – MAY 2022
PUBLICATIONS	<ol style="list-style-type: none">Selective Preference Aggregation Shreyas Kadekodi, H. Mctavish, and B. Ustun ICML – <i>International Conference on Machine Learning</i>, 2025CAT-RRT: Motion Planning that Admits Contact One Link at a Time N. Nechyporenko, C. Escobedo, Shreyas Kadekodi, A. Roncone IROS – <i>IEEE/RSJ International Conference on Intelligent Robots and Systems</i>, 2023A Framework for the Systematic Evaluation of Obstacle Avoidance and Object-Aware Controllers C. Escobedo, N. Nechyporenko, Shreyas Kadekodi, A. Roncone IROS – <i>IEEE/RSJ International Conference on Intelligent Robots and Systems</i>, 2022Librec-auto: A tool for recommender systems experimentation N. Sonboli, M. Mansoury, Z. Guo, Shreyas Kadekodi, W. Liu, Z. Liu, A. Schwartz, R. Burke CIKM – <i>ACM International Conference on Information and Knowledge Management</i>, 2021	
CODE & SOFTWARE	• Selective Preference Aggregation (SPA) – Python package for the Selective Preference Aggregation paper • Librec-Auto – Python package for the Librec-Auto reranker system	
TEACHING EXPERIENCE	University of California, San Diego <i>Teaching Assistant, CSE 111: Intro to Programming & Computational Problem-Solving</i>	Spring 2025

- Developed and maintained several programming assignments for over 250 students, along with their autograders on the Gradescope Autograder platform, writing test cases to validate student code.
- Held two weekly office-hour sessions and taught supplemental discussion sections for those assignments, as well as responding to course questions on Piazza.

University of California, San Diego

Fall 2024

Teaching Assistant, DSC 291: Interpretable/Explainable Machine Learning

- Helped create and grade projects and assignments, and occasionally instructed students in lecture.
- Received feedback that I was “constantly engaged,” “incredibly receptive to feedback,” and noted for going “above and beyond” to support their learning.

University of Colorado, Boulder

Fall 2020

Course Assistant, Discrete Mathematics

- Assisted students during lab sections and attended course planning meetings.

INDUSTRY EXPERIENCE

American Express, Phoenix, AZ

JUN 2021 – AUG 2023

Software Engineer Intern

- **Summer 2023:** Created a demo Neural Network to escalate suspicious credit card activity.
- **Summer 2022:** Refactored the back-end for credit card applications in the US/UK/IT markets to decrease latency and increase user experience.
- **Summer 2021:** Created a demo Neural Network to detect fraud and automate fraud detection in the American Express pipeline.

SKILLS

Programming Languages:

Python, Java, C++, SQL, LaTeX

Libraries & Frameworks:

PyTorch, TensorFlow, scikit-learn, Pandas

Developer Tools:

Git, Docker, Bash

REFERENCES

Available upon request.