

DWIJA PARIKH

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EDUCATION

University of Houston 2017-2021(expected)
B.S. in Computer Science and Mathematics (Data Science Option), GPA: 3.77/4.0
Honors Thesis: Phonologically Aware Code-Switching Models

RESEARCH EXPERIENCE

RiTUAL Lab at the University of Houston August 2018 - Present
Undergraduate Research Assistant, supervised by Dr. Thamar Solorio

- Designed methods to extract phonological features from code-switched text to fine-tune neural models
- Analyzed performance of pre-trained neural models (BERT, Flair) at NLP tasks like Named Entity Recognition
- Assisted with developing a website for a centralized benchmark for linguistic code-switching evaluation ([LinCE](#))

TEACHING EXPERIENCE

Teaching Assistant August 2020 - Present
Introduction to Computer Science (COSC 1306) *Houston, Texas*

- Duties include teaching weekly discussion sessions, holding office hours, developing course material, and grading

TECHNICAL SKILLS

Coursework

- *Undergraduate Computer Science*: Data Science and Machine Learning, Artificial Intelligence, Software Engineering, Computer Architecture, Data Structures, Algorithms, Automata and Computability, Operating Systems
- *Graduate Computer Science*: Computer Vision
- *Mathematics*: Statistical Learning, Statistics, Probability, Stochastic Processes, Real Analysis, Linear Algebra, Engineering Mathematics, Discrete Mathematics

Software Python (PyTorch, NumPy, SciPy, Matplotlib), C/C++, R, Java, SQL, Matlab
Languages English, Hindi, Gujarati

AWARDS AND HONORS

SURF (2020) Awarded a grant to conduct research by University of Houston
Grace Hopper Scholarship (2018) Scholarship to attend the Grace Hopper Conference
Dean's List (2017-2019) Recognized for academic achievement

ACTIVITIES

Photography Student Association 2018-Present
Vice President and Co-Founder *University of Houston*

- Founder of a Photography Club on campus. Duties include leading meetings, planning club activities, publishing zines, and running club website