

Anand Jain

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EDUCATION	University of Chicago <i>B.S.</i> , Computer Science. Santa Clara High School	Expected Jun, 2021 2017
SKILLS	Languages: Python, Go, Julia, Bash, C Packages: PyTorch, Gym, TensorFlow, Scikit-Learn, Pandas Spoken: English, Hindi, Spanish	
EXPERIENCE	Fermilab LSST Intern •Researched the applications of neural differential equations to astronomy •Used the PLAsTiCC Astronomical Kaggle dataset to train a neural network to approximate the differential equation of different astronomical objects' light curves •Worked with peers and mentors to create a high level API for fast prototyping and ensemble training of neural networks for astronomy datasets, primarily in PyTorch • Technology/Tools: TorchDiffEq, DifferentialEquations.jl, PyTorch, TensorFlow, Matplotlib, Astropy	Jun 24 - Aug 31
PROJECTS	Sips: Sports Data Tool on Google Cloud •Package to track odds and player data from a variety of sports and sources •Have collected over 1 GBs of live odds data from football, basketball and hockey •Example prediction models using TensorFlow, including classification and LSTM prediction models • Technology/Tools: Python, Requests, Beautiful Soup, TensorFlow • Link : github.com/anandijain/sips	Oct 2018 - Now
	Gym-Sips: Reinforcement Learning Environment •Custom reinforcement learning environments using the OpenAI Gym package for the output data of sips • Technology/Tools: Python, Gym, TensorFlow, TF-Agents • Link : github.com/anandijain/gym-sips	Feb 2019 - Now
COURSES	•Algorithms •Discrete Math •Abstract Linear Algebra •Mathematical Logic •Inventing Interactive Devices •Electronics •Computer Systems	
ACTIVITIES	UCQuantum (.org) •Unofficial club applying to become an official RSO for UChicago undergrads interested in quantum computing •We have 50 facebook group members and 10 active members •We are planning to host talks, hackathons, and lab tours with faculty on campus	Aug 2019 - Now