Anand Jain

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EDUCATION

University of Chicago *B.S.*, Computer Science. **Expected Jun, 2021**
Santa Clara High School **2017**

SKILLS

Languages: Python, Julia, Bash, C
Packages: PyTorch, Gym, TensorFlow, Scikit-Learn, Pandas
Spoken: English, Hindi, Spanish

EXPERIENCE

Fermilab LSST Intern **Jun 24 - Aug 31**
•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

PROJECTS

Sips: Sports Data Tool on Google Cloud **Oct 2018 - Now**
•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

Gym-Sips: Reinforcement Learning Environment **Feb 2019 - Now**
•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

COURSES

•Algorithms •Discrete Math •Abstract Linear Algebra •Mathematical Logic •Inventing Interactive Devices •Electronics •Computer Systems

ACTIVITIES

UCQuantum (.org) **Aug 2019 - Now**
•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