SIDDARTH DAGAR

siddarth.dagar@mail.utoronto.ca LI | GH | Website | (+1) 647-803-9265

Education

University of Toronto Canada
First Year, Bachelor of Science *Sept. 2020 – April 2024*

- Computer Science and Mathematics
- 4.0/4.0 cGPA

Coding Projects

Project North Star | *C#, Unity* 2018 – 2019

- Built an augmented reality headset (Project North Star) with school funding
- Unity development for educational applications on said headset

Personal Website | *HTML, CSS, JS* 2020 – Current

- Designing, writing and deploying my Apple II Terminal/Gruvbox styled personal website
- Independently designed web pages, tested and troubleshot issues like compatibility

Experience

Developer January 2021 – Present
Angouri Math *Remote, independent*

- Open source symbolic algebra library in C#
- Currently assisting with piece-wise equation simplification and LaTeX parsing

Research

Changing Baffin Bay Fish Distribution, Effects on Inuit Communities 2019 – 2020
Dagar, S., Alizadeh, R., Wang, J., & Szeto, W. *Toronto, Ontario*

- Tracked certain fish populations over time, observed statistically significant trends correlated with global warming
- Efficiently worked with very large public datasets using Pandas
- Connected results with Inuit populations and potential risks in the future
- Won the $1000 RBC Arnold Chan Memorial Prize at the National Big Data Challenge
- Published in the 2020 National High School Big Data Challenge: New climate and information realities - from oceans to glass of water.

Extracurriculars

Student Team Member Sept 2020 – Present
Machine Intelligence Student Teams (UTMIST)

- Built on Google Colab using PyTorch, Cuda and Python
- Reproducing and building upon the paper “Learning Spatio-Temporal Features with 3D Residual Networks for Action Recognition”
- Data crawling, worked with very large video datasets and residual networks

Skills

Languages: Java, Python, C++, C#, SQL, HTML, CSS, Vue.js
Libraries and Developer Tools: Jupyter Notebooks, Git, TensorFlow 2.0, Keras API, PyTorch, Anaconda