SAAD AMIN

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github.com/saada2006

ABOUT ME

I am a junior at Mission San Jose High School. I am interested in mathematics and computer science. I have worked on projects that revolve around GPU compute, monte carlo integration, and machine learning.

EXPERIENCE

CashEye Finance

Founder/CEO, September 2022-
Using the forefront of machine learning technology in the stock market

University of California, San Francisco

Research Assistant @ Irwin Lab, September 2022-
Working on porting DOCK 3.8 to the GPU
Studying medicinal chemistry

Aspiring Scholars Directed Research Program

Computational Biochemistry @ Brah Lab, Fall 2022
Working in the FTO group

EDUCATION

University of California, Berkeley

Berkeley Math Circle, Fall 2022
Academic Talent Development Program, Summer 2021

Mission San Jose High School

AP Calculus BC 2022-2023
AP Statistics 2022-2023
AP Physics 1 2022-2023
AP Computer Science A 2022-2023
Honors Chemistry 2021-2022, Grade A
Honors Precalculus 2021-2022, Grade A

PROJECTS

GPU Path Tracer

Used the monte carlo method to sample light paths within a scene in order to generate a realistic image. Implemented using GPU compute and achieved real-time results. github.com/saada2006/GPURayTracer

Classifier

Wrote a classifier in C++ that is based on the Adaptive Linear Neuron algorithm. github.com/saada2006/MachineLearning

AWARDS

USA Computing Olympiad

Silver division, 2021
Gold division, 2022

American Mathematics Competition 12

Qualified for AIME, 2021

Science Olympiad

3rd place in regionals for experimental design, 2019
3rd place in regionals for elastic-launched glider, 2019
3rd place in regionals for density lab, 2019
4th place in state for density lab, 2019
1st place in regionals for experimental design, 2020
1st place in regionals for machines, 2020
1st place in regionals for density lab, 2020