

Michael Huang

Interested in startups and research | www.michaelyhuang.org | yh_huang@mit.edu

Education

Massachusetts Institute of Technology

2023—present

Major in Artificial Intelligence and Decision Making. Minor in Philosophy.

Phillips Academy

GPA: 5.95/6, 2019—2023

High School Diploma.

Research Publications

A Multi-Step Approach for Multi-Modal Contrastive Learning

on going

Yihao Huang, Rumen Dangovski, Viggo Moro, Marin Soljacic (MIT CSAIL)

Using Graph Neural Network and Spectral Clustering to Discover Dwarf Galaxies in the Milky Way

on going

Yihao Huang, Tri Nguyen, Xiaowei Ou, Lina Necib (MIT Kavli Institute)

Faster Parallel Exact Density Peaks Clustering

ACDA'23

Yihao Huang, Shangdi Yu, Julian Shun (MIT CSAIL)

Efficient Algorithms for Parallel Bi-core Decomposition

APoCS'23

Yihao Huang, Claire Wang, Jessica Shi, Julian Shun (MIT CSAIL)

Awards

International S-T Yau Computer Science Award 1st Place

2021

International S-T Yau Computer Science Award 2nd Place

2022

Research Science Institute Top 5 Paper Award

2022

USA Computing Olympiad Training Camp Qualifier (National Top 25)

2022

Davidson Fellows Scholarship (25k Scholarship)

2023

Atlas Fellows Scholarship (10k Scholarship)

2023

Projects

The Andover Computing Open

2021—2023

I cofounded The Andover Computing Open (TACO), an annual competitive programming contest with 3-4k annual sponsorships, over a hundred participants, and distinguished speakers such as the US Informatics Olympiad team coach Prof. Brian Dean and Google DeepMind AI researcher. I served as tournament director from 2021 to 2022, and as workshop coordinator in

2023.

Andover Window Cleaning Drone

2019—2022

I secured 1.5k funding and led an engineering team to build a window cleaning drone that can carry a hose to power wash windows.

Science, Politics, Philosophy blog

2022—2023

I write a philosophy blog: www.daylightreveries.org

And a physics blog: intuitivephysics.me