

JASON KEN ADHINARTA

jasonkena.github.io · jason.adhinarta@bc.edu · Chestnut Hill, MA

TEACHING ASSISTANTSHIP

CSCI 3397: Biomedical Image Analysis (*Prof. Donglai Wei*)

Spring 2024

MATH 4480: Math and Machine Learning (*Prof. Elisenda Grigsby*)

Spring 2023

ACTIVITIES

Boston College Machine Intelligence Group

Chestnut Hill, MA

President

Sep 2022 – Present

- **Organized weekly seminars** for an undergraduate audience, hosting industry experts from Meta, Google, Red Hat
- Equipped members with concrete engineering skills, connecting students with CS/math labs on campus
- Developed workshops on landmark ML methods in collaboration with Boston College Computer Science Society

Boston College Experimental Math and Machine Learning Lab

Chestnut Hill, MA

Member

Mar 2023 – Present

- Engaged with faculty and graduate students to explore the intersection of mathematics and machine learning
- Gave a talk titled “**A Whirlwind Tour of Deep Learning**” Summer 2023, covering universal function approximation, loss landscape visualization, Sharpness Aware Minimization, Rich Sutton’s Bitter Lesson, and everything in between
- Held a **tutorial on CLI tools** for the lab’s biweekly seminar series Fall 2024, illustrated using a toy project minimizing repulsion forces for electrons on a sphere, received funding from a **Teaching-Advising-Mentoring grant** Summer 2024

Applied Science Academy at Sekolah Pelita Harapan Lippo Village

Tangerang, Indonesia

Mentor

Aug 2023 – Present

- **Remotely mentored** and **designed lesson plans** for 3 high school students with varying experience levels with the Python deep learning ecosystem, to broaden their skillsets and **diversify educational and career opportunities**
- *Ongoing*: Guiding a sophomore in building a **remote-controlled car** using a Raspberry Pi and a camera module, feeding images into **Nerfstudio** to generate novel views for navigation, with a Flask server for remote control
- *Ongoing*: Assisting a junior in using a **U-Net architecture** to demonstrate how audio recordings can be used to reconstruct typing inputs, in a project to raise awareness on **audio-based keystroke sniffing attacks**
- Helped a junior develop a CNN to **classify mosquito species using audio recordings** from the HumBugDB dataset

Citylife Presbyterian Church

Boston, MA

Community Group Co-leader

Aug 2024 – Present

- Facilitated weekly student-led meetings involving praise, prayer, and sermon discussions at Boston College

Brighton High School, Haley House, The City

Boston, MA

Volunteer

May 2022 – May 2023

- Summer 2022: Served as a **teaching assistant** at Brighton High School for math classes; aided in **sorting and distribution of clothing donations** at Haley House; interviewed families of COVID victims for The City, a NYC-based news organization, **wrote an obituary** for publication
- Fall 2022 – Spring 2023: Co-ran the Threads campaign at Boston College, organizing a **clothing drive** and panel discussion with activists from St. Francis House, Cradles to Crayons, and Haley House to raise awareness on **clothing insecurity**

Boston College Competitive Programming Team

Chestnut Hill, MA

Competitor

Sep 2022 – Dec 2023

- Represented Boston College at the 2022 and 2023 ICPC Northeast North America Regional Contests