

Kenny J. Yang

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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

2020

Candidate for Bachelor of Science in Computer Science, Economics, and Data Science; GPA 4.7/5.0

Relevant Courses: Algorithms, Machine Learning, Fundamentals to Programming, Computation Structures

SKILLS

- Computer Skills: Python, Java, C++, Pratt ; Android Studio ; Arduino
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EXPERIENCE

GraphIT

Researcher

MIT, Cambridge

May 2018 – Present

- Analyzed current graph algorithms in order to find bottlenecks that causes limited performance
- Wrote code in C++ that adds additional functionality to the GraphIT application in order to bypass bottlenecks and allow the graph algorithms to run up to 3-4 times faster than they originally did.

Introduction to EECS via Robotics

Lab Assistant

MIT, Cambridge

Feb – June, 2017

- Taught State Machines, Signals and Systems, Circuits, and Algorithms to fellow MIT peers in Python and ensured they were proficient in the subjects
- Contributed to the design of the lessons so that students could more efficiently learn the material

Research Laboratory of Electronics(RLE)

Researcher

MIT, Cambridge

Sept – Jan, 2016

- Ran experiments recording the speech patterns of participants to test the consistency of human rhythm so as to make AI voices sound more natural
- Wrote programs in Praat to analyze the recordings and find peaks and dips in human voice sound waves with 95% accuracy, cutting down one week of human labor to only a few hours

The Makerspace, Cooper Union Summer STEM Program

Computational Design and Innovation Participant

NY, New York

Summer 2015

- Designed and created an Android App, with three teammates
 - Created corresponding signal beacons using micro controllers that allowed the App the triangulate the users position similar to how a GPS would work
 - Used the A* search algorithm to find the shortest path and MySql Databases to store information on the location of beacons and goods
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OTHER WORKING EXPERIENCE

MIT ReACT

Teacher

Amman, Jordan

January 2018

- Mentored a group of 18 refugees from varies Middle Eastern countries to acquire skills in Python and Arduino to developed their self-confidence and improve their lives
- Encouraged students to believe in their potential to become next generation entrepreneurs

CETI Misti China

Teacher

China

Summer 2017

- Taught groups of 20 to 30 students at different schools in China about math, programming, linguistics, and psychology with three other teachers
 - Organized students into efficient teams, ensured that material was learned as a team and that all students were actively collaboration together to solve the problems
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LEADERSHIP AND ACTIVITIES

MIT Finance Club (MFC)

Cofounder/ External Communication VP

MIT , 2018- present

- Founded a new club at MIT to provide students with experience in private equity, investment banking, Hedge Fund, Trading, and Assets Management in order to fill MIT's need for a fair and non-Isolated Finance club
- Maintains connections and contacts with big companies in all areas of Finance bringing together mentors and students

Alpha Delta Phi (ADP) Fraternity

House Manager

MIT, 2016- present

- Ensured that the house stays clean and that 34 brothers do their weekly house jobs
 - Improved the structures in the house and led renovations of the 3rd floor
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INTERESTS

Badminton, Culinary, Business, Psychology