

Maya Nigrin

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EDUCATION:

Massachusetts Institute of Technology

Candidate for B.S Computer Science and Minor in Mathematics

GPA: 4.5/5.0

Relevant Coursework: Computation Structures, Software Engineering, Introduction to EECS via Interconnected Embedded Systems, Mathematics for Computer Science, Introduction to Algorithms, Introduction to Machine Learning

Cambridge, MA

Class of 2021

EXPERIENCE:

Klaviyo

Software Development Intern

Boston, MA

June 2019 - August 2019

- Separated the logic and implementation for changing integration settings and resyncing historical data
- Restructured the code for uploading data from a CSV file, used asynchronous worker tasks and queues to cut down the upload time for 500,000 events from 12 hours to 15 minutes
- Coded instrumentation using Statsd and Python to measure the frequency and duration of different types of API calls

Arcadia Funds

Intern

Burlington, MA

January 2019 - February 2019

- Built a variety of machine learning models to identify potential auto loan borrowers who are likely to default
- Created a program that scraped a web form to collect data on cars' value over time
- Coded in Python and used a variety of data visualization and machine learning tools (Keras, Tensorflow, Sklearn, Pyplot, etc)

Quest for Intelligence - The Bridge

Research Assistant and AI Software Developer for the K-12 Education Initiative

Cambridge, MA

February 2019 - June 2019

- Trained a ProGAN on castle images from MIT's Places2 dataset
- Used Gandisect to analyze the nodes of the network and understand which node generates what
- Helped integrate the results of Gandisect with front-end code that used Scratch to create a kid-friendly program that allows them to interact with the GAN

Vivint Smart Home

Intern

Cambridge, MA

June 2018 - August 2018

- Investigated the data pipeline from surveillance cameras to database
- Researched and prototyped new server infrastructure to increase efficiency and lower cost
- Learned usage of Docker, Google Cloud Platform, Terraform, GStreamer, and FFmpeg, among others
- Presented summary of my research and explained my prototype

Juni Learning

Instructor

Boston, MA

December 2017 - Present

- Teach computer science video lessons for children ages 9-16
- Instruct students in Scratch, Java, and introductory, intermediate, and advanced Python programming classes

ACTIVITIES AND LEADERSHIP:

Undergraduate Practice Opportunities Program (MIT)

- Develop communication, leadership, the ability to work in teams, and other career skills
- Participate in a yearlong professional development program that prepares MIT sophomores for success

Cambridge, MA

October 2018 - Present

Code for Good (MIT)

Executive Committee, Consulting Program Chair, Corporate Chair

Cambridge, MA

September 2017 - Present

- Connect groups of MIT students with local nonprofits to make a direct, positive impact with computer science
- Screen and select nonprofits and students for the program

MIT Muses

Publicity Chair, Choreography Chair

Cambridge, MA

September 2017 - Present

- MIT's only all-female a cappella group
- Publicize our concerts and other events

SKILLS:

Python, Java, HTML, JavaScript, Microsoft Excel, Microsoft Powerpoint