Maya Nigrin

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EDUCATION:

Massachusetts Institute of Technology Cambridge, MA
Candidate for B.S Computer Science and Minor in Mathematics *Class of 2021*
GPA: 4.7/5.0
Relevant Coursework: Design and Analysis of Algorithms, Software Engineering, Computer Graphics, Computation Structures, Introduction to EECS via Interconnected Embedded Systems, Mathematics for Computer Science, Machine Learning

EXPERIENCE:

Klaviyo Boston, MA
Software Development Intern 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

Quest for Intelligence - The Bridge Cambridge, MA
Research Assistant and AI Software Developer for the K-12 Education Initiative February 2019 - Present
- Trained a ProGAN on castle images from MIT's Places2 dataset
- Used Gandissect to analyze the nodes of the network and understand which node generates what
- Helping integrate the results of Gandissect with front-end code that used Scratch to create a kid-friendly program that allows them to interact with the GAN

Arcadia Funds Burlington, MA
Data Analytics and Visualization Intern 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)

Vivint Smart Home Cambridge, MA
Software Development Intern 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 Boston, MA
Senior Instructor December 2017 - Present
- Teach computer science video lessons for children ages 9-16
- Instruct students in Scratch, Java, Python, AP Computer Science A, and USACO Bronze programming classes

ACTIVITIES AND LEADERSHIP:

Undergraduate Practice Opportunities Program (MIT) Cambridge, MA
- Develop communication, leadership, the ability to work in teams, and other career skills October 2018 - Present
- Participate in a yearlong professional development program that prepares MIT sophomores for success

Code for Good (MIT) Cambridge, MA
Executive Committee, Consulting Program Chair, Corporate Chair 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 Cambridge, MA
Auditions Manager, Publicity Chair, Choreography Chair September 2017 - Present
- MIT's only all-female a cappella group
- Organized, scheduled, and led 30+ hours of auditions

SKILLS:

Python, Java, HTML & CSS, JavaScript, Microsoft Excel, Microsoft Powerpoint, Keras, and Tensorflow