

# RYAN BLUMOFE

ryanblumofe.com (password: Ryan2college)



## EDUCATIONAL & CAREER OBJECTIVE

Attend a top liberal arts university that will allow me to develop my talents in the performing arts, multi-disciplinary creativity, and critical and analytical thinking within a community of colorful, talented, and passionate peers. I aspire to become an entrepreneurial, experimental artist who pushes the boundary of creative expression with innovative technologies to empower and uplift others. Musical theatre, breakdancing, and music are particular strengths



## SUMMER INTERNSHIPS & PROGRAMS

### MIT Media Lab, High School Summer Intern

Cambridge, MA | Summer 2019

As a summer intern, I was supervised by graduate students to contribute to a variety of projects to help K12 students learn about artificial intelligence and societal implications.

- *Doodles to Pictures web app*. Developed a training corpus for an AI style transfer tool. The corpus was used to train a set of different styles (flowers, birds, candy, etc.) that could be applied map these textures to automatically color line drawings.
- *Doodlebot*. Play tested and helped to troubleshoot a high school curriculum on AI and robotics involving 3D printing, Arduino coding, and assembling a simple drawing robot.
- *Creativity & AI*. Helped to develop activities and assessments for a middle school AI literacy curriculum on generative AI methods and societal implications -- e.g., generative adversarial networks (GANs), deepfakes, and spread of misinformation in social media.

### Watertown Children's Theatre (WCT) Summer Camp Mentor

Watertown, MA | Summer 2018

Mentored primary school children in a variety of theatre-related activities.

### Andover Summer Program

Andover, MA | Summer 2017 & 2018

Courses in robotics, economics, and musical theatre.

### NYU Tisch Summer High school Program

New York, NY | Summer 2020

Experimental Theatre Wing. Virtual session.



## CONTACT

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### Email

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## EDUCATION

Cambridge Rindge & Latin High School (CLRS),  
Cambridge, MA

### Graduating June 2022

GPA: 94/100

SAT: 1490

700 verbal, 790 Math

*Challenging 4-year curriculum balancing AP and honors courses in humanities, STEM, and performing arts.*



## VOLUNTEER WORK & SERVICE

### Educational AI Literacy workshops for Title I students

MIT Media Lab, Cambridge, MA | Spring 2020 – Spring 2021

- Volunteer mentor and assistant for the K12 AI Literacy Team of graduate and undergraduate students.
- Helped teach three virtual workshops on Creativity & AI. Each at twenty hours per week during spring and summer break, 2020.
- Helped teach a virtual workshop on Machine Audition & Music Generation. Fifteen hours per week during spring break, 2021.
- Mentored over fifty underserved middle school students from Title I schools across the US.



## PUBLICATIONS

Ali, S., DiPaola, D., Lee, I., Sindato, V., Kim, G., Blumofe, R. & Breazeal, C. (2021). Children as Creators, Thinkers and Citizens in an AI-driven Future. *Computers & Education: Artificial Intelligence Journal*.  
<https://doi.org/10.1016/j.caeai.2021.100040>



## PERFORMING ARTS

### Musical Theatre

September 2018–Present

- *How to Succeed in Business without Really Trying*: J. Pierpont Finch. WCT main stage production. Fall 2018.
- *Shrek, The Musical*: Lord Farquaad. WCT main stage production. Spring 2019.
- *Honk!*: Cat. CRLS musical production. Fall 2018.
- *Mary Poppins*: Bert. WCT main stage production. Spring 2019.
- *Sister Act*: Joey. CRLS musical production. Fall 2019.
- *Avenue Q*: Princeton. WCT main stage production. Cancelled.

### Dance

September 2018–Present

- Competitive breakdancer. 10 years of training.
- Dancer & choreographer. Modern Dance Company at CRLS.

### Music & Voice

September 2018–Present

- Vocalist. 4 years training.
- A cappella singer and beat boxer at CRLS.
- Composer using innovative technologies, including AI algorithms.
- EP album of original songs, released on SoundCloud.
- Lead singer and guitarist, “Bad Donkey” rock band.
- Guitar. 10 years training.



## SCHOOL CLUBS

Pitches and Does a cappella  
 Modern Dance Company  
 Improv Club



## PROJECTS

AI Beatboxer  
 Composing music with AI  
 Doodles to Pictures web app  
 EP album of original songs



## PASSIONS

Breakdance  
 Musical Theatre  
 Music Composition  
 Guitar  
 Innovative Technology  
 Creative Community  
 Mentorship