Sam Bhattacharyya
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Education:

<u>Massachusetts Institute of Technology</u>	**GPA: 4.8/5.0**
Masters of Business Administration	May 2016
<u>Vanderbilt University</u>	**GPA: 3.8/4.0**
Masters of Science in Mechanical Engineering	Dec 2011
<u>Columbia University</u>	**GPA: 3.7/4.0**
Bachelors of Science in Mechanical Engineering	May 2010

Work Experience:

<u>dot Learn</u> (www.dotlearn.io)   September 2015 - Present
Founder/CEO

- dot Learn's proprietary technology converts videos to a vector-based format, reducing file size by 10x-100x while increasing visual quality for many kinds of videos - particularly animations and video-learning. Through an API, companies can convert videos to our data-light format, enabling fast and affordable access even on slow/expensive internet connections in emerging markets.
- Invented the core technology, raised $250k in funds, built and managed our 20 member team

<u>US Peace Corps (Mexico)</u>   Feb 2012 - April 2014
Peace Corps Volunteer

- Taught STEM as an educator at the High School and University level in Ciudad Serdán, a rural township in central Mexico
- Advising community members of a rural mountain village in local economic development, helped start several small businesses, including a Pharmacy, a Tortilla-vendor, and a hiker's hostel.
- Working with local community, established local non-profit to manufacture prosthetic devices using 3D printing and scrap metal, helping 10+ local farmers to date regain mobility and independence.

<u>ARMA Laboratory, Vanderbilt University</u>   Jul 2010 - Dec 2011
Graduate Research Assistant, PhD candidate

- Developed artificial intelligence algorithms for robots to perform surgical operations semi-autonomously, using kinematic theory, probabilistic and numerical optimization methods.
- Led a group of 5 researchers to develop a prototype throat insertion module (robot snake) for non-invasive surgery for use in research applications and now being commercialized

Awards and Honors
<u>dot Learn</u>: MIT Legatum Fellow, Cisco Global Problem Solver Challenge, UPenn Milliken Ed-tech Competition, HBS Africa New Venture Award, MIT deltaV, MIT Sandbox, MIT Global Ideas Challenge

Skills and Languages
<u>Technical</u>: Full Stack Developer - NodeJS, Python, OpenCV AngularJS, AWS, Deep Learning
<u>Fluent</u>: Spanish, Chinese (Mandarin)   <u>Working Proficiency</u>: French, Portuguese, Hindi, Bengali

Activities and Extracurriculars
<u>Volunteering:</u> Board member of ELiTE Education
<u>Music:</u> Bass Guitar, Tuba, Baritone, Clarinet