Sam Bhattacharyya
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Education:

Massachussetts Institute of Technology	**GPA: 4.5/5.0**
Masters of Business Administration	May 2016
Vanderbilt University	**GPA: 3.73/4.0**
Masters of Science in Mechanical Engineering	Dec 2011
Columbia University	**GPA: 3.65/4.0**
Bachelors of Science in Mechanical Engineering	May 2010

Work Experience:

dot Learn   August 2013 - Present
Founder/CEO

- Ed-tech venture making online education accessible in emerging markets. Leveraging our own ultra-low bitrate encoding algorithms, dot Learn's data-light MOOC platform enables students to load full HD online courses in less than 1MB, and use them offline on any device.
- Developed the core technology, built our 4-member founding team, raised funds for our pilot programs, while we conducted in Ghana in early 2016

US Peace Corps (Mexico)   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 3 local farmers to date regain mobility and independence.

ARMA Laboratory, Vanderbilt University   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

Skills and Languages

Fluent: Spanish, Chinese   Working Proficiency: French, Portuguese, Hindi, Bengali
Technical: Full Stack Developer - NodeJS, Python, AngularJS, AWS, Android, iOS

Activities and Extra-curriculars

Volunteering: Board member of ELiTE Education
Music: Bass Guitar, Tuba, Baritone, Clarinet