

Sam Bhattacharyya

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Work Experience

CEO, Co-founder

Vectorly

June 2016 - Present

Vectorly offers an SDK for applying real-time AI filters (Upscaling, Background-segmentation) in web browsers.

Key Responsibilities

- Invented ,developed and patented a novel video-compression technology [1][2][3]
- Raised over \$800k in pre-seed investment from the founders of AWS Elemental, the CTO of Warner Media, and a number of angel investors
- Managed team of PhDs and computer vision experts from MIT (US) and IIT (India), as well as contributed to the core code-base of our AI filters SDK and video-codec
- Managed sales of our AI Filters SDK with several unicorn customers such as Hopin, Fuze and Airmeet

Graduate Research Assistant, PhD candidate

ARMA Laboratory (Columbia University & Vanderbilt University)

Jul 2010 - Dec 2011

- Developed artificial intelligence algorithms for robots to perform surgical operations 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

Education:

Massachusetts Institute of Technology

Masters of Business Administration

GPA: 4.8/5.0

May 2016

Vanderbilt University

Masters of Science in Mechanical Engineering

GPA: 3.8/4.0

Dec 2011

Columbia University

Bachelors of Science in Mechanical Engineering

GPA: 3.7/4.0

May 2010

Skills and Languages

Technical: Full Stack Development, Computer Vision, Deep Learning, Javascript, Python

Fluent Languages: Spanish, Chinese (Mandarin)

Awards and Honors

Inventor of US Patent 1011693, MIT Solve winner, Techstars Battlefield, SkyDeck, NVP, MIT Delta V