
Vivek Jayaram

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Personal Website: www.vivekjayaram.com

EDUCATION

University of Washington

PhD in Computer Science and Engineering (in progress)

Sep 2019-Present

Harvard University

Bachelor of Arts in Computer Science, Secondary in History

May 2017

WORK AND RESEARCH EXPERIENCES

UW Computer Science and Engineering

Doctoral Researcher

Sep 2019-Present

Seattle WA

- Researcher in audio-visual machine learning under the supervision of Steve Seitz and Ira Kemelmacher
- Published in top venues like CVPR, ICML, and Neurips

Second Spectrum

Computer Vision Engineer

Aug 2017-Jul 2019

Lausanne Switzerland

- Implemented state of the art computer vision algorithms in areas such as object detection, segmentation, and 3d reconstruction to track players in sports. Product is used in NBA and EPL games.
- Represented company in high profile conferences such as ICCV 2017 and ECCV 2018

Google

Software Engineering Intern

May-Aug 2016

Mountainview CA

- Used machine learning and signal processing to find interesting parts of songs for Google Music
- Integrated song segments into android assistant to make a “guess the song” game

SELECTED PUBLICATIONS

The Cone of Silence: Speech Separation by Localization

Teerapat Jenrungrot* and Vivek Jayaram*, Steve Seitz, Ira Kemelmacher-Schlizerman. *Neurips 2020 (Oral)*.

Source Separation with Deep Generative Priors

Vivek Jayaram* and John Thickstun*. *ICML 2020*.

Background Matting: The World is Your Green Screen

Soumyadip Sengupta, Vivek Jayaram, Brian Curless, Steve Seitz, Ira Kemelmacher-Schlizerman. *CVPR 2020*.

AWARDS and SKILLS

Awards:

- Qualcomm Innovation Fellowship (QIF) Winner 2020.
- Harvard Club Athlete of the Year (2017) for leading Harvard Cricket Club

Skills:

- Languages: French (Professionally Proficient), Spanish (Proficient)
- Programming: Pytorch, Tensorflow, OpenCV, C++, C, HTML
- Other: Logic Pro X, Adobe Creative Suite