

Srinath Ravichandran

6211 Hinman Box,
Dartmouth College,
Hanover, NH - 03755, USA

Phone: (+1) 603-276-0407
Email: sriravic@cs.dartmouth.edu
Webpage: <https://cs.dartmouth.edu/~sriravic>
Linkedin: <https://www.linkedin.com/in/sriravic>
Github: <https://github.com/sriravic>

EDUCATION

- **Dartmouth College**, Hanover, NH Sep 2015 - Mar 2018
MS Computer Science (In Progress)
- **International Institute of Information Technology**, Hyderabad, India Aug 2011 - Jul 2015
MS (by Research) Computer Science; GPA: 9.17/10
Thesis Topic: **Two GPU Algorithms for Raytracing**
- **Government College of Technology**, Coimbatore, India Aug 2005 - May 2009
BE Computer Science; GPA: 8.65/10
First Class with Distinction

ACHIEVEMENTS

- **Rendering Algorithms**: Grand prize winner in the [Dartmouth Rendering Competition 2016](#).

PUBLICATIONS

- **Srinath Ravichandran** and P.J.Narayanan Siggraph Asia 2015 Technical Briefs
[Coherent and Importance Sampled LVC-BDPT on the GPU](#)
- **Srinath Ravichandran** and P.J.Narayanan Siggraph Asia 2013 Technical Briefs
[Parallel Divide and Conquer Ray Tracing](#)

EXPERIENCE

- **Pixar Animation Studios**, RenderMan Software Intern, Seattle, WA Jun 2016 - Sep 2016
Worked on analyzing and improving curve rendering performance within RenderMan.
- **Dartmouth College**, Teaching Assistant, Hanover, NH Sep 2015 - Sep 2016
Courses: Rendering Algorithms, Computer Graphics, HCI, Computer Vision
- **CVIT - IIIT-H**, Graduate Research Assistant, Hyderabad, India Aug 2011 - Jul 2015
Conducted research in the areas of Computer Graphics and High Performance Computing.
- **Google Summer of Code**, Student Developer, Hyderabad, India May 2014 - Aug 2014
Added curve rendering support within the opensource production renderer 'appleseed'.
- **Oracle India Pvt. Ltd**, Quality Assurance Engineer, Bangalore, India Jan 2010 - Jul 2011
Worked in the JDEdwards EnterpriseOne Tools Division.

PROJECTS

- **norics187**: Physically based volumetric path tracer developed for the Rendering Algorithms course at Dartmouth.
- **renderbox2**: Fully parallel research oriented uni and bidirectional path tracer on the GPU.
- **yalnix**: Developed core kernel functionality for the yalnix operating system for the OS course at Dartmouth.
- **foodstar**: An Ingredients-to-Dish android application for all level cooks developed for HCI course at Dartmouth.

TECHNICAL SKILLS

- **Languages**: C, C++11, CUDA, Matlab, Java, Python, HTML, Javascript
- **Tools**: Visual Studio, NVIDIA Nsight, Intel VTune, Blender, Maya 2018
- **Operating Systems**: Linux, Windows

RELEVANT COURSE WORK

- Rendering Algorithms, Computer Graphics, Machine Learning, Deep Learning, Visual Recognition, Operating Systems, Human Computer Interaction, Concurrent Data Structures, Parallel Programming, Digital Image Processing