Ajjen Joshi

http://cs-people.bu.edu/ajjendj
ajjendj@bu.edu | 860.501.8468

ABOUT

PHD CANDIDATE
Dept. of Computer Science,
Boston University
Research Interests in Computer Vision and Machine Learning

EDUCATION

BOSTON UNIVERSITY
MS in Computer Science
August 2014 | Boston, MA
GPA: 3.90/4.0

CONNECTICUT COLLEGE
BA in Computer Science and Architectural Studies
May 2012 | New London, CT
GPA: 3.96 / 4.0

ST. XAVIER'S SCHOOL
High School Diploma
May 2007 | Kathmandu, Nepal
Rank: 1/108

COURSEWORK

GRADUATE
Machine Learning
Image and Video Computing
Computer Graphics
Data Mining

UNDERGRADUATE
Web and Mobile Computing
Artificial Intelligence
Multimedia Processing
Database systems
Graphics and Virtual Environments

SKILLS

PROGRAMMING
Java • Python • C++ • Matlab
HTML/CSS • PHP • MySQL
Processing

EXTRACURRICULARS

AJJENJOSHI.COM
Visual Creative

RESEARCH

A RANDOM FOREST APPROACH TO SEGMENTING AND CLASSIFYING GESTURES
Master's Thesis | 2014

- Investigated a gesture segmentation and recognition scheme that employs a random forest classication model and obtained state-of-the-art results in one dataset; Publication submitted.

DEVELOPING A TOOL FOR DANCE MOTION SYNTHESIS
Undergraduate Research Project | 2012

- Developed a pedagogical application capable of synthesizing choreography permutations by combining dance primitives recorded via motion capture. Published and presented at the 13th Biennial Symposium on Arts and Technology, 2012.

WORK EXPERIENCE

NEW LONDON MAIN STREET | Graphic and Web Design Intern
Fall 2011 | New London, CT

- Involved in various design, web development and event management projects while engaging with members of the downtown New London community.

CONNECTICUT COLLEGE | Animation and Mo-Cap Technician
Fall 2010 – Spring 2012 | New London, CT

- Helped students with computer animation projects, and assisted with capturing body motions using an eight camera motion capture setup.

BROWN UNIVERSITY | Research Intern
Summer 2011 | Providence, RI

- Created interactive multimedia installations using the Microsoft Kinect. Advised by Dr. Todd Winkler

TEACHING

IMAGE AND VIDEO COMPUTING | Boston University CS585
Graduate Level Course on Computer Vision | Fall 2014

APPLICATION PROGRAMMING | Boston University CS108
Introductory Course on Computer Programming | Fall 2013

MULTIMEDIA PROCESSING | Connecticut College CS218
Introductory Course on Image and Audio Processing | Fall 2011

Responsibilities as a Teaching Assistant:

- Designed, taught and graded lab exercises and problem sets
- Helped develop course content

AWARDS

2012 - current	Boston University Research and Teaching Fellowship
2012	Graduated Summa Cum Laude
2012	Phi Beta Kappa
2012	Architectural Studies Award for Outstanding Senior
2011	Connecticut College Winthrop Scholar
2010	Recipient of Keck Research Grant