Ajjen Joshi

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ABOUT

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

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
Randomized Algorithms

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 + PUBLICATIONS

[1] Ajjen Joshi, Soumya Ghosh, Stan Sclaroff, Hanspeter Pfister. Hierarchical Bayesian Neural Networks for Personalized Gesture Recognition. Current

[2] Ajjen Joshi, Sarah Gunnery, Theresa Ellis, Linda Tickle-Degnen, Margrit Betke. Predicting Active Expressivity in the Face. Current.

[3] Andrew Kurauchi, Ajjen Joshi, Wenxin Feng, Carlos Morimoto, Margrit Betke. EyeSwipe: Dwell-free Text Entry Using Gaze Paths. Submitted.

[4] Ajjen Joshi, Camille Monnier, Margrit Betke, Stan Sclaroff. A Random Forest Approach to Segmenting and Classifying Gestures. IEEE International Conference on Automatic Face and Gesture Recognition, 2015. Oral.

[5] Ajjen Joshi, Bridget Baird, Ozgur Izmirli. Developing a Tool for Dance Motion Synthesis. Biennial Symposium on Arts and Technology, 2012. Oral.

WORK EXPERIENCE

DISNEY RESEARCH | Research Intern
Summer 2015 | Cambridge, MA
- Implemented a prototype gesture recognition system based on glove sensor data. Advised by Dr. Hanspeter Pfister, Dr. Soumya Ghosh

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 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 exerices and problem sets
- Helped develop course content

AWARDS

2015 Boston University Outstanding Teaching Fellow
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