Yash Sanjay Bhalgat

$\underline{Curriculum\ Vitae}$	$Primary\ email:\ yashbhalgat 95@gmail.com$	
CONTACT	https://yashbhalgat.github.io/ +1 928-409-6998	yashsb@umich.edu
EDUCATION	University of Michigan, Ann Arbor, MIMasters, Computer Science and EngineeringGPA: 3.8/4.0	Dec '18 (expected)
	 Indian Institute of Technology, Bombay, B. Tech. with Honors in Electrical Engineering and Minor in Com GPA: 9.44/10 	2013-2017 puter Science
Relevant Courses	Machine Learning, High Performance Scientific Computing, Advanced Computer Vision, Digital Image Processing, Matrix Computations, Design and Analysis of Algorithms, Data Structures and Algorithms, Probability and Data Analysis, Microarchitecture, Complex Analysis, Calculus	
Experience		
TECHNICAL SKILLS	 Languages: (high to low) Python, C++, MATLAB, Java, R, Julia, Bash, Verilog, SQL (basic) Packages: PyTorch, Theano, TensorFlow, OpenCV, CUDA, python-flask 	
Work Experience	VISION AND LEARNING LAB, University of Michigan Human Pose Estimation, Guide: Prof. Jia Deng Developing a PyTorch framework of the Stacked Hourglass network	
	IBM RESEARCH, Bangalore Joint multi-modal representations for e-commerce catalog s Fast autoencoder-based (CorrNets) search on large fashion catalog	÷
	TATA RESEARCH DESIGN AND DEVELOPMENT CENTER, India [Dec '15] Object recognition in document images with semisupervised deep learning [arXiv] Detection accuracy 94% and segmentation IoU 74.81% on stamp detection - segmentation.	
	INFURNIA, Mumbai Software module development using CAD modelling engine Created constraint-modules functions in FreeCAD with backward constraint-modules.	
	FOCUS ANALYTICS, Mumbai Indoor Navigation System - Pedometry Developed a real-time pedometry-based indoor navigation system	[Dec '14] accurate to 1-1.5 meters .
KEY COURSE PROJECTS	 Convolutional Neural Network from scratch, Advanced Computer Vision [github] Exploring machine-learning ranking systems through the Yelp dataset, Information Retrieval 	
	 Sarcasm detection in sentences, Machine Learning (CS 725) [Computer Vision and Image Processing algorithms acceler Performance Scientific Computing [github] Emotion from Speech extraction (CNNs, HMMs), DSP Potential Automated Stellarium Laser Pointing device, Electronic Description 	eration with CUDA, High oster presentation [github]
SCHOLASTIC ACHIEVEMENTS	\bullet All India Rank $\bf 12$ in IITJEE-Mains exam among 1.5 mil students and AIR 155 in JEE-Advanced	
	• All India Rank (AIR) 60 in KVPY Scholarship by Govt. of India among 0.2 million candidates	
	\bullet Featured in National Top 30 for the International Astronomy Olympiad, 2013	
	\bullet Among top 300 in India to compete in the Physics, Chemistry and Mathematics olympiads	
	• Awarded Cargill Global Scholarship 2014-15 and selected in the	10-member Indian cohort to

represent at the global seminar in Minneapolis, USA in $2016\,$