

SriKrishna Chaitanya Kompella

+1-413-552-9874 | skckompella@gmail.com | skompella@cs.umass.edu

INTERESTS

Machine Learning, Natural Language Processing and Artificial Intelligence

EDUCATION

UNIVERSITY OF MASSACHUSETTS AMHERST | MS IN COMPUTER SCIENCE

Expected Graduation: May 2018

Courses: Machine Learning - Pattern Recognition, Natural Language Processing

PES INSTITUTE OF TECHNOLOGY | BE IN INFORMATION SCIENCE

Graduated: 2013 | Major GPA: 3.67

Courses: Pattern Recognition, Digital Image Processing, Data Mining

EXPERIENCE

NVIDIA CORP. (AUTOMOTIVE) | TECH LEAD - VIRTUALIZATION

Jul 2013 – Jul 2016 | Bangalore, India

- Fastest promotion (in one year from joining as a NCG) and youngest Lead in my business unit
- Responsible for delivering test strategies, and related automation tools for validating Nvidia's hypervisor technology deployed in autonomous vehicles, clusters and infotainment systems
- Solely responsible for test development for s/w stack in virtualized environments
- Led a team of six people in a fast paced project with ever changing requirements
- Developed multiple tools in Bash, Python and C
- Developed numerous test automation tools
- Developed test strategies for multiple components of the SoC - GPU, Decoder, Encoder, IOs etc

SKILLS

PROGRAMMING

• C • C++ • Python • Bash

TOOLS AND FRAMEWORKS

• OpenCV • NLTK • SciPy • NumPy

DOMAIN KNOWLEDGE - SYSTEMS

• CPU, GPU, SoC Arch • SPI, I2C, UART, CAN • Virtualization on ARM SoCs • Automotive Safety

PROJECTS

SPECTRAL CLUSTERING | PYTHON

Sept 2016

Implementing "On Spectral Clustering: Analysis and an algorithm" by Ng et al to analyze faculty collaboration in the CS dept.

LABEL PROPAGATION | PYTHON

Sept 2016 - Oct 2016

Implementing a semi-supervised learning algorithm as described in "Learning from Labeled and Unlabeled data" by Zhu et al to label a standard benchmark corpus.

INDEXING VERY LARGE FILES | C++, MAPREDUCE, MULTITHREADING

May 2015 – Jun 2015

Multithreaded server (self implemented) controlling distributed workloads using Mapreduce paradigm

HTTP WEB PROXY AND CACHE | C++, MULTITHREADING

Apr 2015 – May 2015

Scalable multithreaded server capable of blacklisting and proxy chaining

SMART VIDEO SURVEILLANCE | C++, OPENCV

Dec 2012 – Mar 2013

Undergraduate capstone project to detect unattended baggage and loitering people

VOICE CONTROL FOR MEDIA PLAYER | C++

Mar 2012 – Apr 2012

Media player control (like Play, Pause, Stop, Next, Previous) using voice commands