

SHIULI DAS

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EDUCATION

The Ohio State University, Columbus

M.S. Computer Science and Engineering

Graduation: May 2017 (expected)

GPA: 3.87 (4.0 scale)

Birla Institute of Technology and Sciences, Pilani

B.E. Electronics and Instrumentation Engineering

Graduation: June 2015

GPA: 8.08 (10.0 scale)

SOFTWARE SKILLS

C, C++, Python, Java, SQL, HTML, Qt, MATLAB, Tableau, Elastic Search

WORK EXPERIENCE

Graduate Teaching Assistant, The Ohio State University, Columbus

Aug 2016 – Present

- Delivered biweekly lectures, oversaw programming labs and held office hours to help more than 30 students with “Introduction to Programming in C++”

Software Development Engineer Intern, Amazon, Customer Service Technology, Seattle

Jun 2016 – Aug 2016

- Delivered the business partners with a visual tool which will be used to analyze the activity of customer service agents per contact (what they search for and what they click on), Java
- Used AWS products DynamoDB, Lambda and Kinesis to pipe the data from logs to a visualization tool on top of Elastic Search and Kibana

Student Programming Assistant, Ohio State University, Columbus

Jan 2016 – May 2016

- Wrote code to interface with projects (C++, MATLAB, Python)

Project Intern, Center for Artificial Intelligence and Robotics, India

Jan 2015 – Jun 2015

- Developed a consolidated utility to track multiple objects in multiple networked cameras in real-time
- Used image processing techniques; developed using C++, openCV and Qt
- Features included: handshaking between multiple camera views for consistent object labeling, auto-initialization of the TLD (tracking-learning-detection) tracker using GMM based motion

PROJECTS

Recipe Visualizer

Apr 2016

- Parsed and visualized a cooking recipe in a radial tree graph form, Python, D3

Music Signal Separation

Apr 2016

- Used RNN and soft-masking for music signal separation of monaural, synchronous violin and flute mixtures (0dB)
- Outputs signals predominant in one instrument

Part-Of-Speech tagger

Mar 2016

- Implemented structured perceptron and Viterbi algorithm for part-of-speech tagging, Python
- Accuracy 89% when trained on twitter + penn tree bank + IRC chat data and tested on twitter data

Evolution of Music over the years using Word-Clouds

Feb 2016

- Extracted the lyrics of top 100 chart songs over years (1961-2015) and using word-cloud showed the trend of most common words used in music lyrics over the years, Python, D3

Interpreter for Modified LISP

Aug 2015 – Dec 2015

- Developed an interpreter to do parsing, check for syntactic and type errors and evaluation of S-expressions, C++