Shiuli Das [Phone: +16149660916 E-Mail: shiuli512@gmail.com]

Experience

Senior Software Engineer, Magic Leap **March 2019 – Current**

Team: Perception Product - Eye Tracking

1376 Bordeaux Drive, Sunnyvale, California

- End-to-end user integration of eye tracking to improve user experience.
- Work with computer vision, systems, SDK, front facing teams for productizing eye tracking based features
- Maintain and develop good code architecture. (Additionally to previous job duties as Software Engineer)

Software Engineer, Magic Leap **July 2017 – March 2019**

- Statistical analysis of performance of the eye tracking algorithms on recorded datasets and real-time behavior analysis on hardware
- Develop high-performance production software with state-of-art computer vision capabilities
- Developing, testing and debugging system software
- Analyzing and enhancing the efficiency and stability of system software+

Tools: *C++, Python, Computer Vision*

Software Engineering Intern, Amazon **June 2016 – August 2016**

Seattle, Washington

Team: Customer Service Technology

- Delivered the business partners with a visual tool to analyze the activity of customer service agents on the knowledge content search tool used to attend to customer requests. Updated in real time.

Tools: *Java, ElasticSearch, Kibana, AWS Lambda, DynamoDB*

Project Intern, Center for Artificial Intelligence & Robotics **January 2015 – June 2015**

Bangalore, Karnataka, India

- Developed a consolidated utility to track multiple objects in multiple networked cameras in real-time
- Features included: handshaking between multiple camera views for consistent object labeling, auto-initialization of the TLD (tracking-learning-detection) tracker using GMM based motion.

Tools: *C++*

Education

The Ohio State University **May 2017**

M.S. Computer Science GPA 3.77 / 4.0

Birla Institute of Technology and Sciences **June 2015**

B.E.(Hons.) Electronics and Instrumentation GPA 8.08 / 10.0

Projects

Breast Cancer Stage Classification **September 2016 – April 2017**

- Convolutional neural networks for irregular data points
- Predict staging based on image features from homogenous compartments from whole slide histology images

Human Pose Estimation **November 2016**

- Estimate human pose as standing/crouching/jumping/shooting in real time from a live video capture to play Mario game
- Team of 3 (background subtraction + pose estimation + graphics), MATLAB
- Role: Pose estimation: Used similitude moments of still silhouettes and motion history images to train SVM and decision tree classifiers for the task of pose estimation as crouching/jumping/shooting