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**EDUCATION** Master of Science, Computer Science

Bachelor of Science, Computer Science

Bachelor of Arts, Philosophy

University of Texas at Austin (expected May 2014)

GPA: 3.67 CS GPA: 3.73

TECHNICAL SKILLS

Fluent: Java, Matlab, C, Python, Linux/Unix, git

Familiar: C++, Ruby, LISP, Haskell, Prolog, LATEX, HBase, gwt, JavaCC, libsvm

SELECTED PAPERS

Object-Centric Spatio-Temporal Pyramids for Egocentric Activity Recognition

• British Machine Vision Conference, 2013

- Multi-resolution histograms of detected objects used as feature vectors
- Boosting and SVMs for classification of first-person video

Linear vs. Hierarchical Segmentation of Egocentric Video

- Partition hours of first-person video into events
- k-means clustering with temporal constraints (tck-means)
- Histogram intersection using pixel intensities as features
- Prototype UI for fast video browsing based on linear or hierarchical segmentation

## **EXPERIENCE**

Software Engineering Intern

Summers 2012-2013

Workday, Performance Engineering, Pleasanton, CA

- Conducted performance evaluation of backend technologies for new products.
- Researched performance effects of running our application on different backend environments.
- Researched and deployed a distributed, scalable system for collecting and visualizing performance metrics.
- $\bullet\,$  Over 500 different metrics collected from MySQL, Linux kernel, etc.
- Developed a webapp using gwt for downloading collected data.

Research Assistant Spring 2013

Computational Visualization Center, University of Texas at Austin

- TexMol, a software package used for computational drug discovery.
- Developed a method for scoring strength of molecular bonds.
- UI design and implementation using qt4.

## Undergraduate Assistant

2010-2011

Department of Computer Science, University of Texas at Austin

Graded exams, assisted students in Algorithms and Data Structures with designing and debugging Java programs.

## SELECTED COURSEWORK

Graduate:

**COURSEWORK** Parallel Algorithms, Machine Learning, Programming Languages, Formal Semantics Undergraduate:

Computer Vision, Information Retrieval, Operating Systems, Algorithms, Artificial Intelligence, Computer Graphics, Computational Linguistics, Programming for Correctness, Probability, Number Theory