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**EDUCATION** Master of 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

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

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

SELECTED

Graduate:

COURSEWORK Parallel Algorithms, Machine Learning, Programming Languages, Formal Semantics

Under graduate:

Computer Vision, Information Retrieval, Operating Systems, Algorithms, Artificial Intelligence, Computer Graphics, Computational Linguistics, Programming for Cor-

rectness, Probability, Number Theory

RESEARCH

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

Randomized Spatio-Temporal Pyramids for Egocentric Activity Recognition

- UC Irvine ADL dataset of egocentric video depicting daily activities
- Use SVMs for classification of first-person video
- Multi-resolution histograms of detected objects used as feature vectors
- Boost weak SVM classifiers into final strong classifier

**EXPERIENCE** 

Software Engineering Intern

Summer 2012

Workday, Performance Engineering, Pleasanton, CA

- Researched and deployed a distributed, scalable system for collecting and visualizing performance metrics.
- Over 500 different metrics collected from mySQL, Linux Kernel, and other sources.
- Developed a webapp using gwt for downloading collected data.

Undergraduate Assistant

2010-2011

Department of Computer Science, University of Texas at Austin

- Assisted students in Algorithms and Data Structures with designing and debugging Java programs.
- Graded exams.

EXTRA-CURRICULAR ACTIVITIES Recipient, Chevron Scholarship (2012)

Recipient, Tracor/Frank McBee, Jr. Scholarship (2011)

Association for Computing Machinery Undergraduate Philosophy Association

Longhorn Billiards Club