Kevin Tang

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EDUCATION

Cornell University *(Ithaca, NY)*, Class of 2010
College of Engineering Double Major, Cumulative GPA: 3.961
Bachelor of Science, Computer Science
Bachelor of Science, Electrical and Computer Engineering

AWARDS/HONORS

Eta Kappa Nu *(Electrical and Computer Engineering Honor Society)*
Tau Beta Pi *(Engineering Honor Society)*
Dean's List *(GPA of 3.4 or above)*
NSF Research Experience for Undergraduates Fellowship *(Summer 2008, Summer 2009)*

RELEVANT COURSEWORK

Discrete Structures, Data Structures and Functional Programming, Probability and Random Signals, Introduction to Analysis of Algorithms, Theory of Computing, Foundations of Artificial Intelligence, Computer Networks and Telecommunications, Operating Systems, Scientific Computation, *Digital Signal Processing, *Computer Vision, *Machine Learning
**currently taking*

EXPERIENCE

Cornell University (Ithaca, NY) *January 09 – Present*
Research involving Computer Vision with Professor Tsuhan Chen. Designed and implemented a front-end touch-screen system used as an interface for a segmentation algorithm. Worked on a new distance metric formulation and incorporated algorithms to help solve the metric nearness problem.

University of Central Florida (Orlando, FL) *May 09 – August 09*
Supported by an NSF Research Experience for Undergraduates (REU) Fellowship. Research involving Computer Vision with Professor Marshall Tappen (UCF) and Dr. Rahul Sukthankar (CMU/Intel Research). Developed an algorithm for performing competitive object recognition from a single image by using novel machine learning formulations and semantic attributes.

Harvey Mudd College (Claremont, CA) *June 08 – August 08*
Supported by an NSF Research Experience for Undergraduates (REU) Fellowship. Research involving Artificial Intelligence and Jazz Improvisation with Professor Robert Keller. Created an innovative system to infer probabilistic context-free grammars using various machine learning techniques to assist in automated Jazz improvisation.

Cornell University (Ithaca, NY) *June 07 – December 08*
Research involving Computer Networks and Systems with Professor Paul Francis. Collected search and advertisements data from Google for analysis. Investigated privacy in online social networks and developed a novel system that ensures privacy from host systems. Used OPNET Modeler to model/analyze the behavior of mobile ad-hoc networks.

PUBLICATIONS

[1] Saikat Guha, Alexey Reznichenko, **Kevin Tang**, Hamed Haddadi, Paul Francis. "Serving Ads from localhost for Performance, Privacy, and Profit," *Proceedings of Hot Topics in Networking (HotNets '09)*, New York, NY, October 2009.
[2] Jonathan Gillick, **Kevin Tang**, Robert Keller. "Learning Jazz Grammars," *6th Sound and Music Computing Conference (SMC '09)*, Porto, Portugal, July 2009.
[3] Dhruv Batra, Adarsh Kowdle, **Kevin Tang**, Devi Parikh, Jiebo Luo, Tsuhan Chen. "Interactive Cosegmentation by Touch," Demo Session at *Computer Vision and Pattern Recognition 2009 (CVPR '09)*, Miami Beach, FL, June 2009.
[4] Saikat Guha, **Kevin Tang**, Paul Francis. "NOYB: Privacy in Online Social Networks," *Proceedings of The First ACM SIGCOMM Workshop on Online Social Networks (WOSN '08)*, Seattle, WA, August 2008.

SKILLS

Java, C/C++, Matlab, Python, SML, Linux, LaTeX, Microsoft Word, Excel, and PowerPoint
Native fluency and literacy in Chinese (Mandarin)

ACTIVITIES

President, Cornell Taiwanese American Society *(2008 – 2010)*
Engineering Peer Adviser *(2007 – 2008)*
Cornell FantAsia a capella *(2006 – 2007)*
Jazz saxophone, classical piano, guitar, flute
Tennis, basketball, badminton