

# Janani Kalyanam

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Work Permit: US Citizen

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## Summary

I have served as Teaching Assistant to various computer science courses at UCSD over the course of my graduate student career. I have been responsible for a variety of duties including holding office hours, discussion sessions, occasional lectures, preparing and grading the exams/homeworks and their rubrics etc. After the first few quarters of being a teaching assistant, I was elevated to being head-TA of a course. Being head-TA also entailed additional responsibility of managing a team of teaching assistants, assigning duties, and making sure we deliver.

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## Education

### University of California, San Diego

Ph.D. in Electrical and Computer Engineering, Spring 2017 (expected)

Specialization: Machine Learning, Data Science

### University of Wisconsin, Madison

M.S. in Electrical and Computer Engineering

### Rutgers, State University of New Jersey

B.S. in Electrical and Computer Engineering

James. J. Slades Scholar for academic excellence

Dean's List, all semesters

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## Skills

Languages: C, C++, Java, Python, Matlab, LaTeX

Operating System: Linux, MAX, Windows

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## Teaching Experience

TA for C-programming, Assembly Programming, and Computer Architecture courses.

Held a tutorial of Machine Learning at conferences.

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## Publications

**Janani Kalyanam**, Mauricio Quezada, Barbara Poblete and Gert Lanckriet. (2015). "Early prediction and characterization of high-impact world events using social media." *Preprint*

**Janani Kalyanam**, Amin Mantrach, Diego Saez-Trumper, Hossein Vahabi and Gert Lanckriet. (2015). "Leveraging Social Context for Modeling Topic Evolution." *Proceedings of the 21st International Conference on Knowledge Discovery and Data Mining (KDD)*.

**Janani Kalyanam**, Sumithra Velupillai, Son Doan, Mike Conway and Gert Lanckriet. (2015). "Facts and Fabrications about Ebola: A Twitter Based Study" *SIGKDD Workshop on Connected Health in Big Data Era*.

**Best Paper Award.**

**Janani Kalyanam** and Gert Lanckriet. (2014). "Learning from Unstructured Multimedia Data." *Proceedings of the 23rd International Conference on World Wide Web (WWW)*.

Andrew Bolstad, Benjamin Miller, Joel Goodman and **Janani Kalyanam**. (2011). “Identification and Compensation of Wiener Hammerstein Systems with Feedback.” *Proceedings of the 36th International Conference on Acoustics, Speech and Signal Processing*.

Joel Goodman, Benjamin Miller, Andrew Bolstad, Jim Vian and **Janani Kalyanam**. (2011). “Physical Layer Considerations for Wideband Cognitive Radio.” *Military Communications Conference, 2011*.

**Janani Kalyanam**. (2009). “Probabilistic Algorithm for List-Viterbi Decoding.” *Masters Thesis*.

Chandrasekharan Raman, **Janani Kalyanam**, Ivan Seskar and Narayan Mandayam. (2007). “Distributed Spatio Temporal Spectrum Sensing: An Experimental Study.” *Asilomar Conference on Signals, Systems and Computers*.

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## Work Experience

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**University of California, San Diego** La Jolla, CA  
Teaching Assistant  
Served as TA for programming courses at UCSD several times.

**Massachusetts Institute of Technology - Lincoln Labs** Lexington, MA  
Intern 2009  
Worked on calibrating power amplifiers.

**Merrill Lynch** Pennington, NJ  
Intern 2007  
Web developer

**Merrill Lynch** Pennington, NJ  
Intern 2006  
System tester for the internal interactive voice response systems

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## Miscellaneous

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Completed the La Jolla Half Marathon (2013), Southern California Half Marathon (2014), and the Girls on the Go Run Half Marathon (2014).