

**David Kirk Evans**  
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## **Research Interests**

Summarization, particularly multi- document and multi- lingual summarization, Machine Translation, and Cross- lingual Information Access and Retrieval.

## **Education**

2000 – May 2005

PhD in Computer Science, [Columbia University](#), [Computer Science Department](#), [Natural Language Processing Group](#).

Thesis: Identifying Similarity in Text: Multilingual Analysis for Summarization

Cumulative GPA: 3.951 on a 4.0 scale.

1997 – February 2000

[Columbia University](#), New York, New York

Master of Science, Computer Science, May 2000

1992 – May 1997

[Southern Methodist University](#), Dallas, Texas

Magna Cum Laude B.S. Electrical Engineering, May 1997.

Magna Cum Laude B.S. Computer Science, May 1997.

Liberal Arts honors program.

Computer Science Major GPA: 3.805 on a 4.0 scale.

Electrical Engineering Major GPA: 3.659 on a 4.0 scale.

Math Minor GPA: 3.720 on a 4.0 scale.

Japanese Minor GPA: 4.000 on a 4.0 scale.

## **Academic and Work Experience**

1997 – 2005

Columbia University, New York, New York

Funded Graduated Research Assistant on the [National Science Foundation](#) Grant "[Automatic Identification of Significant Topics in Domain- independent Full Text Documents](#)". Implemented LinkIT, a software tool for identifying significant topics using linguistics techniques, developed methods to analyze performance of an application of the above to an Information Retrieval task. Implemented software for automatic similarity detection between passages in multiple documents in multiple languages for summarization applications under the [TIDES program](#).

Summer 2001

Instructor for Baruch College Continuing and Professional Studies  
ZITS 3005 *Java II Server-side Java*.

Summer 2001

Instructor for Columbia University COMS W1007- 1 *Object-oriented programming and design in Java*.

Spring 2001

Instructor for Baruch College Continuing and Professional Studies  
ZITS 3003 *Java I Introduction to Java Programming*.

Spring 2000

Teaching Assistant for Columbia University COMS W4771- 1 *Machine Learning*.

Fall 1999

Teaching Assistant for Columbia University COMS W4705- 1 *Natural Language Processing*.

1999 – 1999

Summer internship at IBM Japan's Chuo Rinkan facility. Researched automatic methods for customer trouble ticket routing and categorization.

1995 – 1997

Southern Methodist University, Information Technology Services,  
Dallas, Texas

Junior network engineer; maintained campus wide ethernet network.

1996 – 1996

Summer internship at [NTT's](#) Yokosuka facility. Research on determining word similarity using specialized parallel hardware.

### **Human Languages**

- Japanese – Three years at Southern Methodist University, four years at Columbia University. Business level fluency.
- German – Four years at West Windsor Plainsboro High School.

### **Computer Languages**

- Perl, Java, C, C++

### **Publications**

1. Gary A. Evans, David K. Evans, Scott C. Randall, Jieh- Ping Sih, and Nai- Hsiang Sun, "*Modeig II: Personal Computer Software for Analysis of Complex Waveguides and Optoelectronic Devices*," [Progress In Electromagnetic Research](#) (PIERS '95) Seattle, WA, July, 1995
2. Klavans, Judith L., Nina Wacholder, David Kirk Evans, "[Evaluation of Computational Linguistic Techniques for Identifying Significant Topics for Browsing Applications](#)", *Second International Conference on Language Resources and Evaluation (LREC-2000)*, May 31 - June 2,

- 2000, Athens, Greece.
3. Evans, David Kirk, Judith L. Klavans, Nina Wacholder, "[Document Processing with LinkIT](#)", *RIAO 2000, Recherche d'Informations Assistée par Ordinateur (Content- Based Multimedia Information Access)*, April 12- 14, 2000, Collège de France, Paris, France
  4. Wacholder, Nina, Judith L. Klavans, David K. Evans, "[Evaluation of Automatically Identified Index Terms for Browsing Electronic Documents](#)" , *ANLP- NAACL 2000* , Seattle, WA, April 24 - May 4, 2000.
  5. Nina Wacholder, David Evans, Judith Klavans, "[Automatic Identification and Organization of Index Terms For Interactive Browsing](#)", *Joint Conference on Digital Libraries (JCDL)*, Roanoke, VA,, Jun 2001.
  6. Kathy McKeown, Regina Barzilay, David Evans, Vasilis Hatzivassiloglou, Mn- Yen Kan, Barry Schiffman, Simone Teufel, "[Columbia Multi- document Summarization: Approach and Evaluation](#)" , *Document Understanding Conference 2001 (DUC 01)*, Sep 2001.
  7. Kathleen R. McKeown, Regina Barzilay, David Evans, Vasileios Hatzivassiloglou, Judith Klavans, Ani Nenkova, Carl Sable, Barry Schiffman, "[Tracking and Summarizing News on a Daily Basis with Columbia's Newsblaster](#)" , *Human Language Technology Conference* , Mar 2002.
  8. Kathleen McKeown, Regina Barzilay, Sasha Blair- Goldensohn, David Evans, Vasileios Hatzivassiloglou, Judith Klavans, Ani Nenkova, Barry Schiffman, "[The Columbia Multi- Document Summarizer for DUC 2002.](#)" , *Second Document Understanding Conference (DUC)*, Philadelphia, PA, Jun 2002.
  9. David Evans, Judith L. Klavans, Kathleen R. McKeown, "[Columbia Newsblaster: Multilingual News Summarization on the Web](#)" , *Human Language Technology (HLT)*, Boston, MA, May 2004.
  10. Ani Nenkova, Sasha Blair- Goldensohn, David Evans, Andrew Hazen Schlaikjer, Advait Siddharthan, Vasileios Hatzivassiloglou, Kathleen McKeown, Becky Passonneau, "[Columbia University at DUC 2004](#)" , *Document Understanding Conference (DUC)*, Boston, MA, May 2004.
  11. David Kirk Evans, Kathleen McKeown, "[Identifying Similarities and Differences Across English and Arabic News](#)" , *International Conference on Intelligence Analysis*, McLean, VA, May 2005.
  12. Advait Siddharthan, David Kirk Evans, "[Columbia University at MSE2005](#)" , *2005 Multilingual Summarization Evaluation Workshop* , Ann Arbor, MI, June 29th 2005.

## References

Dr. Judith L. Klavans

Director of Research, Center for Advanced Study of Language  
College of Information Studies, Room 4117M Hornbake, University of  
Maryland, College Park, MD 20742- 4345  
Telephone: 301- 405- 2033, E-Mail: [jklavans@umd.edu](mailto:jklavans@umd.edu)

Dr. Kathleen McKeown

Professor of Computer Science, Columbia University  
Department of Computer Science, Columbia University, New York, New  
York, 10027  
Telephone: 212- 939- 7118, E-Mail: [kathy@cs.columbia.edu](mailto:kathy@cs.columbia.edu)

Dr. Tetsuya Nasukawa

IBM Research, Tokyo Research Laboratory, IBM Japan, Ltd. (LAB-S7C)  
1623- 14 Shimotsuruma, Yamato- shi, Kanagawa- ken, 242- 8502 Japan  
Telephone: +81- 46- 215- 4574, E-Mail: [nasukawa@jp.ibm.com](mailto:nasukawa@jp.ibm.com)

## Extracurricular activities

- Recording Secretary of Tau Beta Pi TX I chapter (1996- 1997 academic year).
- Secretary of IEEE Student Chapter at SMU (1994- 1995 academic year).
- Vice President of Tau Beta Pi TX I chapter (1994- 1995 academic year).
- President of Tau Beta Pi, TX I chapter (1993- 1994 academic year)
- Organized and played in the IEEE Intramural Basketball team (1993- 1994 academic year)

## Awards

- Columbia University, Paul Charles Michelman Memorial Award for Exemplary Departmental Service, December 14th 2000
- Southern Methodist University Honor Roll Fall 1992 to Spring 1997
- Souther Methodist University, Tatum Award for Outstanding Electrical Engineering Student (1997)
- Southern Methodist University, University Scholar (1992- 1996)
- Southern Methodist University, Lindsey J. Embrey Scholarship (1992- 1996)
- Southern Methodist University, Tau Beta Pi "Most Valuable Member" award (1994)

- Southern Methodist University, Golden Key Honor Society (1994)
- Southern Methodist University, Eta Kappa Nu (1994)

**Professional memberships**

- IEEE Computer Society
- Association of Computational Linguistics